

**Mobility Fund**  
**Phase 1 - §54.1009 Annual Reporting**  
**Data Collection Form**

FCC Form  
 Approved by OMB  
 OMB 3060-1185

Avg. Burden Estimate per Respondent: 18 Hours

<010> Study Area Code	238047
<015> Study Area Name	United States Cellular Corporation
<020> Program Year	2016
<030> Contact Name: Person USAC should contact with questions about this data	Stephanie Cassioppi
<035> Contact Telephone Number: Number of the person identified in data line <030>	6302013501 ext.
<039> Contact Email: Email of the person identified in data line <030>	Stephanie.Cassioppi@USCellular.com

<040> **Has the information required pursuant to §54.1009 been provided with a Form 481 filing (Y/N)** <040>

☒ ☐

<041> Attach a description of the documents filed with the Form 481 reporting

<041>

238047NC041.pdf

<042> Cite the Study Area Code (SAC) for the Form 481 reporting

<042>

239006

<080> **Tribal Lands Reporting (y/n?)** (Does this study area cover tribal lands? Yes or No)

☐ ☒

**Notice to Individuals Required by the Paperwork Reduction Act of 1995**

OMB Control Number 3060-1185 (Annual Report for Mobility Fund Phase I Support, FCC Form 690 and Record Retention Requirements)

Notice to Individuals Required by the Paperwork Reduction Act of 1995

Public reporting burden for this collection of information is estimated to average 18 hours per response. Our estimate includes the time to read the instructions, look through existing records, gather and maintain required data, and actually complete and review the form or response. If you have any comments on this estimate, or on how we can improve the collection and reduce the burden it causes you, please write the Federal Communications Commission, Office of Managing Director, AMD-PER, Washington, DC 20554, Paperwork Reduction Act Project (3060-1185). Please DO NOT SEND COMPLETED FORMS TO THIS ADDRESS. You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number and/or we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-1185.

THIS NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.

## (050) Carrier Contact Form

FCC Form 690  
 Approved by OMB  
 OMB Control No. 3060-1185  
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<010>	Study Area Code	238047
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<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com

**Reporting Carrier / Mobility Fund Phase 1 Winning Bidder**

<110>	FCC Registration Number	4372322
<111>	Filing Carrier Name	United States Cellular Corporation
<112>	Winning Bidder Carrier Name	United States Cellular Corporation
<113>	Street Address (or PO Box)	8410 W. Bryn Mawr
<114>	City	Chicago
<115>	State	IL
<116>	Zip-Code	60565
<117>	Telephone Number	6302013501 ext.
<118>	Fax Number	7733998959
<119>	Email Address	Stephanie.Cassioppi@USCellular.com

**Contact Information**

if same as above, indicate in this box



<120>	Name (First, MI, Last, Suffix)	Stephanie Cassioppi
<121>	Filing Carrier Name	United States Cellular Corporation
<122>	Street Address (or PO Box)	8410 W. Bryn Mawr
<123>	City	Chicago
<124>	State	IL
<125>	Zip-Code	60565
<126>	Telephone Number	6302013501 ext.
<127>	Fax Number	7733998959
<128>	Email Address	Stephanie.Cassioppi@USCellular.com

**Authorized Agent Information**

if no agent, indicate in this box



<130>	Name (First, MI, Last, Suffix)	
<131>	Company	
<132>	Street Address (or PO Box)	
<133>	City	
<134>	State	
<135>	Zip-Code	
<136>	Telephone Number	
<137>	Fax Number	
<138>	Email Address	

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## (060) Coverage and Performance Report

FCC Form 690

Approved by OMB

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<010>	Study Area Code	238047
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<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com
<140>	Coverage and Performance Report Year	01/2015 - 12/2015

Coverage and Performance attachments

238047\_CPRd\_NC.zip, 238047\_CPRf\_NC.zip,  
238047\_NC covered roads undriveable roads.zip

<141>

[illegible]

Percentage of Total  
Population Reached by  
Service

0

Percentage of Total  
Road Miles covered  
by Service

91

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(070) Urban Rate Comparability Certification Compliance

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TO BE COMPLETED BY THE REPORTING CARRIER, IF THE REPORTING CARRIER IS FILING CERTIFICATION DATA ON ITS OWN BEHALF:

<b>Certification of Officer or Employee as to Compliance with 47 CFR §54.1009(a)(4)</b>	
I certify that I am an officer or employee of the reporting carrier; my responsibilities include ensuring compliance with 47 CFR §54.1009(a)(4), the information reported on this form and in any attachments is accurate.	
Name of Reporting Carrier:	United States Cellular Corporation
Signature of Authorized Officer:	CERTIFIED ONLINE Date 06/20/2016
Printed name of Authorized Officer:	John Gockley
Title or position of Authorized Officer:	VP-Legal and Regulatory Affairs
Telephone number of Authorized Officer:	7738643167 ext.
Study Area Code of Reporting Carrier:	238047 Filing Due Date for this form: 07/01/2016
Persons willfully making false statements on this form can be punished by fine or forfeiture under the Communications Act of 1934, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001.	

TO BE COMPLETED BY THE REPORTING CARRIER, IF AN AGENT IS FILING CERTIFICATION DATA ON THE CARRIER'S BEHALF:

<b>Certification of Officer or Employee to authorize an Agent to file Compliance with 47 CFR §54.1009(a)(4) on Behalf of Reporting Carrier</b>	
I certify that (Name of Agent) _____ is authorized to submit the information reported on behalf of the reporting carrier. I also certify that I am an officer or employee of the reporting carrier; my responsibilities include ensuring compliance with 47 CFR §54.1009(a)(4) reported to the authorized agent; and, to the best of my knowledge, the reports and data provided to the authorized agent is accurate.	
Name of Authorized Agent:	
Name of Reporting Carrier:	
Signature of Authorized Officer or Employee:	Date:
Printed name of Authorized Officer or Employee:	
Title or position of Authorized Officer or Employee:	
Telephone number of Authorized Officer or Employee:	
Study Area Code of Reporting Carrier:	Filing Due Date for this form:
Persons willfully making false statements on this form can be punished by fine or forfeiture under the Communications Act of 1934, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001.	

TO BE COMPLETED BY THE AUTHORIZED AGENT:

<b>Certification of Agent Authorized to File Compliance with 47 CFR §54.1009(a)(4) on Behalf of Reporting Carrier</b>	
I, as agent for the reporting carrier, certify that I am authorized to submit the certification on behalf of the reporting carrier; I have provided the data reported herein based on data provided by the reporting carrier; and, to the best of my knowledge, the information reported herein is accurate.	
Name of Reporting Carrier:	
Name of Authorized Agent Firm:	
Signature of Authorized Agent or Employee of Agent:	Date:
Name of Authorized Agent Employee:	
Title or position of Authorized Agent or Employee of Agent:	
Telephone number of Authorized Agent or Employee of Agent:	
Study Area Code of Reporting Carrier:	Filing Due Date for this form:
Persons willfully making false statements on this form can be punished by fine or forfeiture under the Communications Act of 1934, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001.	

(080) Tribal Lands Reporting

FCC Form 690

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<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com

<142> State \_\_\_\_\_

<143> County \_\_\_\_\_

<144> Tribal Land(s) on which ETC Serves \_\_\_\_\_

<145> Tribal Government Engagement Obligation

Name of Attached Document (.pdf)

If your company serves Tribal lands, please select (Yes, No, Not Applicable) for each of these boxes to confirm the status described on the attached PDF, on line 145, demonstrates coordination with the Tribal government pursuant to § 54.1004 includes:

- <146> Needs assessment and deployment planning with a focus on Tribal community anchor institutions;
- <147> Feasibility and sustainability planning;
- <148> Marketing services in a culturally sensitive manner;
- <149> Compliance with Rights of way processes
- <150> Compliance with Land Use permitting requirements
- <151> Compliance with Facilities Siting rules
- <152> Compliance with Environmental Review processes
- <153> Compliance with Cultural Preservation review processes
- <154> Compliance with Tribal Business and Licensing requirements.

Select (Yes, No, Not Applicable)

## (090) Project Update Information

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<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com

&lt;200&gt; Date Authorized to Receive Support

06/23/2013

&lt;201&gt; Targeted Completion Date

02/19/2016

&lt;202&gt; Total Mobility Fund Support Awarded

&lt;203&gt; Total Mobility Fund Support Disbursed

&lt;210&gt; Actual Completion Date

&lt;211&gt; Project Status Description (attached)

238047\_211\_NC.pdf

{Name of PDF attached}

Please check these boxes below to confirm that the attached PDF, on line 211, contains a project status pursuant to §54.1005(b)(2)(v). The information shall be submitted as appropriate.

&lt;212&gt; Status of Network Deployment - Network Design

&lt;213&gt; Status of Network Deployment - Construction

&lt;214&gt; Status of Network Deployment - Deployment

&lt;215&gt; Status of Network Deployment - Maintenance

&lt;216&gt; Project Budget Status

&lt;217&gt; Project Plan Status

✓
✓
✓
✓
✓
✓

&lt;218&gt; Network will Support 3G/4G Mobile Service ?

☐

3G

☒

4G

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(101) Certification - Reporting Carrier

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TO BE COMPLETED BY THE REPORTING CARRIER, IF THE REPORTING CARRIER IS FILING ON ITS OWN BEHALF:

<b>Certification of Officer as to the Accuracy of the Data Reported for Mobility Fund Recipients</b>	
I certify that I am an officer of the reporting carrier; my responsibilities include ensuring the accuracy of the reporting requirements for Mobility Fund recipients; and, to the best of my knowledge, the information reported on this form and in any attachments is accurate.	
Name of Reporting Carrier:	United States Cellular Corporation
Signature of Authorized Officer:	CERTIFIED ONLINE Date 06/20/2016
Printed name of Authorized Officer:	John Gockley
Title or position of Authorized Officer:	VP-Legal and Regulatory Affairs
Telephone number of Authorized Officer:	7738643167 ext.
Study Area Code of Reporting Carrier:	238047 Filing Due Date for this form: 07/01/2016
Persons willfully making false statements on this form can be punished by fine or forfeiture under the Communications Act of 1934, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001.	



**(102) Certification - Agent / Carrier**

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**TO BE COMPLETED BY THE REPORTING CARRIER, IF AN AGENT IS FILING ON THE CARRIER'S BEHALF:**

Certification of Officer to Authorize an Agent to File for Mobility Fund Recipients on Behalf of Reporting Carrier	
I certify that (Name of Agent) _____ is authorized to submit the information reported on behalf of the reporting carrier. I also certify that I am an officer of the reporting carrier; my responsibilities include ensuring the accuracy of the data reporting requirements provided to the authorized agent; and, to the best of my knowledge, the reports and data provided to the authorized agent is accurate.	
Name of Authorized Agent: _____	
Name of Reporting Carrier: _____	
Signature of Authorized Officer: _____	Date: _____
Printed name of Authorized Officer: _____	
Title or position of Authorized Officer: _____	
Telephone number of Authorized Officer: _____	
Study Area Code of Reporting Carrier: _____	Filing Due Date for this form: _____
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**TO BE COMPLETED BY THE AUTHORIZED AGENT:**

Certification of Agent Authorized to File for Mobility Fund Recipients on Behalf of Reporting Carrier	
I, as agent for the reporting carrier, certify that I am authorized to submit the reports for Mobility Fund recipients on behalf of the reporting carrier; I have provided the data reported herein based on data provided by the reporting carrier; and, to the best of my knowledge, the information reported herein is accurate.	
Name of Reporting Carrier: _____	
Name of Authorized Agent Firm: _____	
Signature of Authorized Agent or Employee of Agent: _____	Date: _____
Name of Authorized Agent Employee: _____	
Title or position of Authorized Agent or Employee of Agent: _____	
Telephone number of Authorized Agent or Employee of Agent: _____	
Study Area Code of Reporting Carrier: _____	Filing Due Date for this form: _____
Persons willfully making false statements on this form can be punished by fine or forfeiture under the Communications Act of 1934, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001.	



## Attachments

## (060) Coverage and Performance Report

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 <140> Coverage and Performance Report Year 01/2015 - 12/2015

<a1>	<a2>	<a3>	<b1>	<b2>	<b3>	<c1>	<c2>	<c3>	<d>
State	County	Census Block	Resident Population per Census Block	Resident Population Newly Reached by Service	Total Resident Population Reached by Service	Road Miles per Census Block	Road Miles per Census Block Newly Reached	Total Road Miles covered per Census Block	Certify that Coverage and Performance data is uploaded (yes/no)
NC	Buncombe	370210029003034	0	0	0	0.11	0.11	0.11	Yes
NC	Buncombe	370210029003008	0	0	0	0.15	0.15	0.15	Yes
NC	Buncombe	370210029003010	0	0	0	0.28	0.28	0.28	Yes
NC	Buncombe	370210029003003	0	0	0	0.43	0.43	0.43	Yes
NC	Buncombe	370210029003019	0	0	0	0.08	0.08	0.08	Yes
NC	Buncombe	370210029002004	0	0	0	0.15	0.15	0.15	Yes
NC	Buncombe	370210029003033	0	0	0	0.27	0.27	0.27	Yes
NC	Buncombe	370210029002012	0	0	0	0.25	0.04	0.04	Yes
NC	Buncombe	370210029003000	0	0	0	0.5	0.2	0.2	Yes
NC	Buncombe	370210029001048	0	0	0	5.24	4.64	4.64	Yes
NC	Buncombe	370210029003016	0	0	0	0.37	0.37	0.37	Yes
NC	Buncombe	370210029003027	0	0	0	0.15	0.15	0.15	Yes
NC	Buncombe	370210029003012	0	0	0	0.37	0.37	0.37	Yes
NC	Buncombe	370210029002002	0	0	0	0.06	0.0	0.0	Yes
NC	Buncombe	370210029002005	0	0	0	0.21	0.21	0.21	Yes
NC	Buncombe	370210029003043	0	0	0	6.36	6.12	6.12	Yes
NC	Buncombe	370210029002008	0	0	0	0.1	0.1	0.1	Yes
NC	Buncombe	370210029003020	0	0	0	0.09	0.09	0.09	Yes
NC	Buncombe	370210029003007	0	0	0	0.57	0.57	0.57	Yes
NC	Buncombe	370210029003035	0	0	0	0.13	0.13	0.13	Yes

Percentage of  
Total Population  
Reached by  
Service

0

Percentage of Total  
Road Miles covered  
by Service

91

## (060) Coverage and Performance Report

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<a1>	<a2>	<a3>	<b1>	<b2>	<b3>	<c1>	<c2>	<c3>	<d>
State	County	Census Block	Resident Population per Census Block	Resident Population Newly Reached by Service	Total Resident Population Reached by Service	Road Miles per Census Block	Road Miles per Census Block Newly Reached	Total Road Miles covered per Census Block	Certify that Coverage and Performance data is uploaded (yes/no)
NC	Buncombe	370210029003040	0	0	0	0.25	0.25	0.25	Yes
NC	Buncombe	370210029003045	0	0	0	0.22	0.22	0.22	Yes
NC	Buncombe	370210029003036	0	0	0	0.24	0.24	0.24	Yes
NC	Buncombe	370210029003038	0	0	0	0.09	0.09	0.09	Yes
NC	Buncombe	370210029003031	0	0	0	0.34	0.34	0.34	Yes
NC	Buncombe	370210029003021	0	0	0	0.18	0.18	0.18	Yes
NC	Buncombe	370210029003051	0	0	0	0.16	0.16	0.16	Yes
NC	Buncombe	370210029003029	0	0	0	0.24	0.24	0.24	Yes
NC	Buncombe	370210029003065	0	0	0	0.17	0.17	0.17	Yes
NC	Buncombe	370210029003048	0	0	0	0.07	0.07	0.07	Yes
NC	Buncombe	370210029003011	0	0	0	0.3	0.3	0.3	Yes
NC	Buncombe	370210029003001	0	0	0	22.39	21.63	21.63	Yes
NC	Buncombe	370210029003028	0	0	0	6.06	6.02	6.02	Yes
NC	Buncombe	370210029003032	0	0	0	0.13	0.13	0.13	Yes
NC	Buncombe	370210029003062	0	0	0	3.4	2.38	2.38	Yes
NC	Buncombe	370210029002006	0	0	0	0.5	0.5	0.5	Yes
NC	Buncombe	370210029003005	0	0	0	0.24	0.24	0.24	Yes
NC	Buncombe	370210029003053	0	0	0	0.41	0.41	0.41	Yes
NC	Buncombe	370210029002010	0	0	0	0.38	0.38	0.38	Yes
NC	Buncombe	370210029003061	0	0	0	0.55	0.34	0.34	Yes

Percentage of  
Total Population  
Reached by  
Service

0

Percentage of Total  
Road Miles covered  
by Service

91

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## (060) Coverage and Performance Report

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<140>	Coverage and Performance Report Year	01/2015 - 12/2015

[illegible]

Percentage of  
Total Population  
Reached by  
Service

Percentage of Total  
Road Miles covered  
by Service

91

# **PUBLIC REFERENCE COPY**

**FCC Form 690**

**Mobility Fund Phase 1 - §54.1009 Annual Reporting**

**Line 041: Description of documents filed with Form 481 SAC 239006**

The documents filed with FCC Form 481 for SAC 239006 include:

- 239006NC310 Unfulfilled Service Requests (voice) Detail on Attempts
- 239006NC510 Service Quality Standards & Consumer Protection Rules Compliance
- 239006NC610 Functionality in Emergency Situations

**FCC Form 690 Line 211: PROJECT STATUS DESCRIPTION**

**Project Description and Statement of Technical Feasibility**

**Winning Bid Census Tract No. T37021002900 (Buncombe, NC)**

**SAC 238047**

**Total Bid Amount: \$1,809,677.50**

**I. Project Summary**

United States Cellular Corporation (“U.S. Cellular”) currently provides wireless services in North Carolina. U.S. Cellular operates a 3G/4G wireless voice and data network incorporating state-of-the-art technologies including CDMA [REDACTED] and 4G LTE (Long Term Evolution). For this particular winning bid census tract, U.S. Cellular constructed [REDACTED] new LTE cell sites in order to provide coverage to the unserved qualifying roads in the eligible census blocks within the winning bid census tract.

U.S. Cellular uses [REDACTED] 4G LTE technology to provide the required service. LTE incorporates Multiple In Multiple Out (MIMO) technology, the Orthogonal Frequency Division Multiple Access (OFDMA) air interface in the downlink and Single Carrier FDMA in the uplink. This combination provides high levels of spectral efficiency and network performance, coupled with high network capacity and low latency [REDACTED] 4G LTE.

Installation of new cell sites will enable U.S. Cellular to meet its public interest obligations to provide rural citizens with access to advanced telecommunications and information technologies that are reasonably comparable to those available in urban areas. U.S. Cellular has identified areas that lack high-quality coverage, that is, dead zones where citizens

have inconsistent access to wireless network signals or where coverage is insufficient to allow mobile usage without dropped calls.

Use of support from Auction 901 will permit U.S. Cellular improve and expand coverage, and to cover operating and maintenance expenses expected in remote areas that are not expected to be cash flow positive for many years, if ever. In many areas where U.S. Cellular currently serves, consumers have access to data speeds that are insufficient to stream high quality video and transmit large files without significant delay. Installation of 4G service will significantly increase data speeds, well in excess of the 4/1 throughput requirement.

This will serve the public interest by allowing consumers to make more efficient use of high speed products and services, including smart phone devices, providing access to a wide variety of software applications. In every area where coverage is improved, rural citizens will see significant public safety benefits, as access to 911, E-911 and other important communications are all facilitated by improved connectivity in a mobile environment.

## II. Project Timeline

<b>MILESTONES</b>	<b>START</b>	<b>END</b>
1. Network Design		
2. Drafting, Posting of RFPs if applicable		
3. Vendor Selection		
4. Contract Negotiation if applicable		
5. Construction		
6. Meeting requirements for \$\$ Installments		
a. 1st disbursement - upon award, no other requirements		6/15/2013
b. 2nd disbursement -		
i. report demonstrating 50% road miles covered		n/a
ii. 2nd LOC or increase to initial LOC to cover disbursement amount		n/a
c. 3rd/final disbursement -		
i. report demonstrating 75% road miles covered (3yrs for 4G)		



U.S. Cellular has completed a preliminary network design, which has informed its bidding strategy. U.S. Cellular has also completed its network design and budget, based on the then-current status of its network and then-current costs associated with purchasing the necessary equipment. U.S. Cellular employs radio-frequency engineers, as well as consulting engineers, to develop a final network design plan.

U.S. Cellular has completed its construction project, and has installed equipment needed to upgrade its backhaul and network core facilities, so that all new network equipment that is installed is capable of providing service immediately.

Construction, installation and testing are expected is complete and the actual date of network deployment was [REDACTED]. The information provided in this 690 filing for final disbursement proves that U.S. Cellular has achieved 75% or greater coverage, [REDACTED] coverage. The final disbursement should be [REDACTED] which, with the first disbursement of [REDACTED] equals [REDACTED] of the total bid amount of \$1,809,677.50.

### **III. Statement of Technical Feasibility**

These network deployments and improvements are all technically feasible because they represent an extension of U.S. Cellular's existing network, which has been providing service for a number of years. The projected cost of U.S. Cellular's project plan and necessary operating and maintenance expenses exceed the amount of Auction 901 support that it will receive, and the company invested the additional capital needed to complete the project. It has undertaken a financial analysis of the technical feasibility of meeting the FCC's coverage requirements and based on that analysis, it has determined that the combination of support and internally generated capital will be sufficient.

U.S. Cellular understands that the FCC's Auction 901 funding commitment is limited to the winning bid amount, and that U.S. Cellular will be responsible for providing additional internally generated capital, if needed, to meet the Commission's coverage and service requirements.

U.S. Cellular has already successfully rolled out 4G LTE service in much of its existing network. U.S. Cellular has familiarity with the challenges of deploying 4G technology as well as established relationships with equipment and handset vendors. U.S. Cellular understands the challenges of deploying a high-speed data network in a rural area and is fully confident that the technology it has chosen is technically feasible and that it has the necessary expertise to deploy a technically capable network solution that meets the FCC's coverage and throughput requirements.

U.S. Cellular has purchased peripheral technologies such as battery back-ups and diesel generators to ensure that its new network equipment is sufficiently hardened to withstand natural and man-made disasters.

#### IV. Budget and Actual Spending Breakdown

Census Tract	County/State	Bid	Project Budget Total
T37021002900	Buncombe, NC	\$1,806,677.50	

The following list specifically relates the budget to the costs for the activities in the project plan. Nonetheless, the project plan associated with this Census Tract is being undertaken jointly with the project plan associated with Winning Bid Census Tract No. T37199960101 (Yancey, NC). Hence, the collective projects costs have been divided equally amongst both Census Tracts.

USAC Category	Project Budget Detail	Budget - Cost to Complete	Final Estimate
Network Design	Network Design	In House	In House
Construction			
Deployment			
Maintenance			
	<b>Total</b>		

The projected build plan set forth above, including costs and timeframes, are good-faith estimates based on current information and subject to change, depending on a variety of factors such as but not limited to terrain, zoning or other restriction on land usage, weather, and equipment availability from the selected vendors.

# PUBLIC REFERENCE COPY

<b>Mobility Fund</b> <b>Phase 1 - §54.1009 Annual Reporting</b> <b>Data Collection Form</b>	FCC Form Approved by OMB OMB 3060-1185 Avg. Burden Estimate per Respondent: 18 Hours
---	---

<b>&lt;010&gt; Study Area Code</b>	238048
<b>&lt;015&gt; Study Area Name</b>	United States Cellular Corporation
<b>&lt;020&gt; Program Year</b>	2016
<b>&lt;030&gt; Contact Name: Person USAC should contact with questions about this data</b>	Stephanie Cassioppi
<b>&lt;035&gt; Contact Telephone Number: Number of the person identified in data line &lt;030&gt;</b>	6302013501 ext.
<b>&lt;039&gt; Contact Email: Email of the person identified in data line &lt;030&gt;</b>	Stephanie.Cassioppi@USCellular.com

<b>&lt;040&gt; <u>Has the information required pursuant to §54.1009 been provided with a Form 481 filing (Y/N)</u></b>	<b>&lt;040&gt;</b>	<input checked="" type="radio"/> <input type="radio"/>
<b>&lt;041&gt; Attach a description of the documents filed with the Form 481 reporting</b>	<b>&lt;041&gt;</b>	<div style="border: 1px solid black; padding: 2px;">238048NC041.pdf</div>
<b>&lt;042&gt; Cite the Study Area Code (SAC) for the Form 481 reporting</b>	<b>&lt;042&gt;</b>	<div style="border: 1px solid black; padding: 2px;">239004</div>

<b>&lt;080&gt; <u>Tribal Lands Reporting (y/n?)</u></b>	<b>&lt;080&gt;</b>	<input type="radio"/> <input checked="" type="radio"/>
---	--------------------	--

(Does this study area cover tribal lands? Yes or No)

**Notice to Individuals Required by the Paperwork Reduction Act of 1995**

OMB Control Number 3060-1185 (Annual Report for Mobility Fund Phase I Support, FCC Form 690 and Record Retention Requirements)

Notice to Individuals Required by the Paperwork Reduction Act of 1995

Public reporting burden for this collection of information is estimated to average 18 hours per response. Our estimate includes the time to read the instructions, look through existing records, gather and maintain required data, and actually complete and review the form or response. If you have any comments on this estimate, or on how we can improve the collection and reduce the burden it causes you, please write the Federal Communications Commission, Office of Managing Director, AMD-PER, Washington, DC 20554, Paperwork Reduction Act Project (3060-1185). Please DO NOT SEND COMPLETED FORMS TO THIS ADDRESS. You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number and/or we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-1185.

THIS NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.

# PUBLIC REFERENCE COPY

## (050) Carrier Contact Form

FCC Form 690  
Approved by OMB  
OMB Control No. 3060-1185  
Page 2 of 8

<010>	Study Area Code	238048
<015>	Study Area Name	United States Cellular Corporation
<020>	Program Year	2016
<030>	Contact Name - Person USAC should contact regarding this data	Stephanie Cassioppi
<035>	Contact Telephone Number - Number of person identified in data line <030>	6302013501 ext.
<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com

### Reporting Carrier / Mobility Fund Phase 1 Winning Bidder

<110>	FCC Registration Number	4372322
<111>	Filing Carrier Name	United States Cellular Corporation
<112>	Winning Bidder Carrier Name	United States Cellular Corporation
<113>	Street Address (or PO Box)	8410 W. Bryn Mawr
<114>	City	Chicago
<115>	State	IL
<116>	Zip-Code	60631
<117>	Telephone Number	6302013501 ext.
<118>	Fax Number	7733998959
<119>	Email Address	Stephanie.Cassioppi@USCellular.com

### Contact Information

if same as above, indicate in this box



<120>	Name (First, MI, Last, Suffix)	Stephanie Cassioppi
<121>	Filing Carrier Name	United States Cellular Corporation
<122>	Street Address (or PO Box)	8410 W. Bryn Mawr
<123>	City	Chicago
<124>	State	IL
<125>	Zip-Code	60631
<126>	Telephone Number	6302013501 ext.
<127>	Fax Number	7733998959
<128>	Email Address	Stephanie.Cassioppi@USCellular.com

### Authorized Agent Information

if no agent, indicate in this box



<130>	Name (First, MI, Last, Suffix)	
<131>	Company	
<132>	Street Address (or PO Box)	
<133>	City	
<134>	State	
<135>	Zip-Code	
<136>	Telephone Number	
<137>	Fax Number	
<138>	Email Address	

## PUBLIC REFERENCE COPY

## (060) Coverage and Performance Report

FCC Form 690

Approved by OMB

OMB Control No. 3060-1185

Page 3 of 8

<010>	Study Area Code	238048
<015>	Study Area Name	United States Cellular Corporation
<020>	Program Year	2016
<030>	Contact Name - Person USAC should contact regarding this data	Stephanie Cassioppi
<035>	Contact Telephone Number - Number of person identified in data line <030>	6302013501 ext.
<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com
<140>	Coverage and Performance Report Year	01/2015 - 12/2015

### Coverage and Performance attachments

```
238048_CPRd_NC final.zip, 238048_CPre_f_NC final.zip,  
238048_covered_roads_undriveable_roads version 1.zip
```

[illegible]

### Percentage of Total Population Reached by Service

0

Percentage of Total  
Road Miles covered  
by Service

96

# PUBLIC REFERENCE COPY

(070) Urban Rate Comparability Certification Compliance

FCC Form 690  
Approved by OMB  
OMB Control No. 3060-1185  
Page 4 of 8

<010>	Study Area Code	238048
<015>	Study Area Name	United States Cellular Corporation
<020>	Program Year	2016
<030>	Contact Name - Person USAC should contact regarding this data	Stephanie Cassioppi
<035>	Contact Telephone Number - Number of person identified in data line <030>	6302013501 ext.
<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com

TO BE COMPLETED BY THE REPORTING CARRIER, IF THE REPORTING CARRIER IS FILING CERTIFICATION DATA ON ITS OWN BEHALF:

<b>Certification of Officer or Employee as to Compliance with 47 CFR §54.1009(a)(4)</b>	
I certify that I am an officer or employee of the reporting carrier; my responsibilities include ensuring compliance with 47 CFR §54.1009(a)(4), the information reported on this form and in any attachments is accurate.	
Name of Reporting Carrier:	United States Cellular Corporation
Signature of Authorized Officer:	CERTIFIED ONLINE Date 06/20/2016
Printed name of Authorized Officer:	John Gockley
Title or position of Authorized Officer:	VP-Legal and Regulatory Affairs
Telephone number of Authorized Officer:	7738643167 ext.
Study Area Code of Reporting Carrier:	238048 Filing Due Date for this form: 07/01/2016
Persons willfully making false statements on this form can be punished by fine or forfeiture under the Communications Act of 1934, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001.	

TO BE COMPLETED BY THE REPORTING CARRIER, IF AN AGENT IS FILING CERTIFICATION DATA ON THE CARRIER'S BEHALF:

<b>Certification of Officer or Employee to authorize an Agent to file Compliance with 47 CFR §54.1009(a)(4) on Behalf of Reporting Carrier</b>	
I certify that (Name of Agent) _____ is authorized to submit the information reported on behalf of the reporting carrier. I also certify that I am an officer or employee of the reporting carrier; my responsibilities include ensuring compliance with 47 CFR §54.1009(a)(4) reported to the authorized agent; and, to the best of my knowledge, the reports and data provided to the authorized agent is accurate.	
Name of Authorized Agent:	
Name of Reporting Carrier:	
Signature of Authorized Officer or Employee:	Date:
Printed name of Authorized Officer or Employee:	
Title or position of Authorized Officer or Employee:	
Telephone number of Authorized Officer or Employee:	
Study Area Code of Reporting Carrier:	Filing Due Date for this form:
Persons willfully making false statements on this form can be punished by fine or forfeiture under the Communications Act of 1934, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001.	

TO BE COMPLETED BY THE AUTHORIZED AGENT:

<b>Certification of Agent Authorized to File Compliance with 47 CFR §54.1009(a)(4) on Behalf of Reporting Carrier</b>	
I, as agent for the reporting carrier, certify that I am authorized to submit the certification on behalf of the reporting carrier; I have provided the data reported herein based on data provided by the reporting carrier; and, to the best of my knowledge, the information reported herein is accurate.	
Name of Reporting Carrier:	
Name of Authorized Agent Firm:	
Signature of Authorized Agent or Employee of Agent:	Date:
Name of Authorized Agent Employee:	
Title or position of Authorized Agent or Employee of Agent:	
Telephone number of Authorized Agent or Employee of Agent:	
Study Area Code of Reporting Carrier:	Filing Due Date for this form:
Persons willfully making false statements on this form can be punished by fine or forfeiture under the Communications Act of 1934, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001.	



## (080) Tribal Lands Reporting

FCC Form 690

Approved by OMB

OMB Control No. 3060-1185

Page 5 of 8

<010>	Study Area Code	238048
<015>	Study Area Name	United States Cellular Corporation
<020>	Program Year	2016
<030>	Contact Name - Person USAC should contact regarding this data	Stephanie Cassioppi
<035>	Contact Telephone Number - Number of person identified in data line <030>	6302013501 ext.
<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com

&lt;142&gt; State

&lt;143&gt; County

&lt;144&gt; Tribal Land(s) on which ETC Serves

&lt;145&gt; Tribal Government Engagement Obligation

Name of Attached Document (.pdf)

If your company serves Tribal lands, please select (Yes, No, Not Applicable) for each of these boxes to confirm the status described on the attached PDF, on line 145, demonstrates coordination with the Tribal government pursuant to § 54.1004 includes:

- <146> Needs assessment and deployment planning with a focus on Tribal community anchor institutions;
- <147> Feasibility and sustainability planning;
- <148> Marketing services in a culturally sensitive manner;
- <149> Compliance with Rights of way processes
- <150> Compliance with Land Use permitting requirements
- <151> Compliance with Facilities Siting rules
- <152> Compliance with Environmental Review processes
- <153> Compliance with Cultural Preservation review processes
- <154> Compliance with Tribal Business and Licensing requirements.

Select (Yes, No, Not Applicable)

## (090) Project Update Information

FCC Form 690

Approved by OMB

OMB Control No. 3060-1185

Page 6 of 8

<010>	Study Area Code	238048
<015>	Study Area Name	United States Cellular Corporation
<020>	Program Year	2016
<030>	Contact Name - Person USAC should contact regarding this data	Stephanie Cassioppi
<035>	Contact Telephone Number - Number of person identified in data line <030>	6302013501 ext.
<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com

&lt;200&gt; Date Authorized to Receive Support

06/24/2013

&lt;201&gt; Targeted Completion Date

12/13/2014

&lt;202&gt; Total Mobility Fund Support Awarded

&lt;203&gt; Total Mobility Fund Support Disbursed

&lt;210&gt; Actual Completion Date

&lt;211&gt; Project Status Description (attached)

238048NC211.pdf

{Name of PDF attached}

Please check these boxes below to confirm that the attached PDF, on line 211, contains a project status pursuant to §54.1005(b)(2)(v). The information shall be submitted as appropriate.

&lt;212&gt; Status of Network Deployment - Network Design

&lt;213&gt; Status of Network Deployment - Construction

&lt;214&gt; Status of Network Deployment - Deployment

&lt;215&gt; Status of Network Deployment - Maintenance

&lt;216&gt; Project Budget Status

&lt;217&gt; Project Plan Status

✓
✓
✓
✓
✓
✓

&lt;218&gt; Network will Support 3G/4G Mobile Service ?

☐

3G

☒

4G

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(101) Certification - Reporting Carrier

FCC Form 690  
Approved by OMB  
OMB Control No. 3060-1185  
Page 7 of 8

<010>	Study Area Code	238048
<015>	Study Area Name	United States Cellular Corporation
<020>	Program Year	2016
<030>	Contact Name - Person USAC should contact regarding this data	Stephanie Cassioppi
<035>	Contact Telephone Number - Number of person identified in data line <030>	6302013501 ext.
<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com

TO BE COMPLETED BY THE REPORTING CARRIER, IF THE REPORTING CARRIER IS FILING ON ITS OWN BEHALF:

<b>Certification of Officer as to the Accuracy of the Data Reported for Mobility Fund Recipients</b>	
I certify that I am an officer of the reporting carrier; my responsibilities include ensuring the accuracy of the reporting requirements for Mobility Fund recipients; and, to the best of my knowledge, the information reported on this form and in any attachments is accurate.	
Name of Reporting Carrier:	United States Cellular Corporation
Signature of Authorized Officer:	CERTIFIED ONLINE Date 06/20/2016
Printed name of Authorized Officer:	John Gockley
Title or position of Authorized Officer:	VP-Legal and Regulatory Affairs
Telephone number of Authorized Officer:	7738643167 ext.
Study Area Code of Reporting Carrier:	238048 Filing Due Date for this form: 07/01/2016
Persons willfully making false statements on this form can be punished by fine or forfeiture under the Communications Act of 1934, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001.	

# PUBLIC REFERENCE COPY

## (102) Certification - Agent / Carrier

FCC Form 690  
Approved by OMB  
OMB Control No. 3060-1185  
Page 8 of 8

<010>	Study Area Code	238048
<015>	Study Area Name	United States Cellular Corporation
<020>	Program Year	2015
<030>	Contact Name - Person USAC should contact regarding this data	Stephanie Cassioppi
<035>	Contact Telephone Number - Number of person identified in data line <030>	6302013501 ext.
<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com

**TO BE COMPLETED BY THE REPORTING CARRIER, IF AN AGENT IS FILING ON THE CARRIER'S BEHALF:**

Certification of Officer to Authorize an Agent to File for Mobility Fund Recipients on Behalf of Reporting Carrier	
I certify that (Name of Agent) _____ is authorized to submit the information reported on behalf of the reporting carrier. I also certify that I am an officer of the reporting carrier; my responsibilities include ensuring the accuracy of the data reporting requirements provided to the authorized agent; and, to the best of my knowledge, the reports and data provided to the authorized agent is accurate.	
Name of Authorized Agent: _____	
Name of Reporting Carrier: _____	
Signature of Authorized Officer: _____	Date: _____
Printed name of Authorized Officer: _____	
Title or position of Authorized Officer: _____	
Telephone number of Authorized Officer: _____	
Study Area Code of Reporting Carrier: _____	Filing Due Date for this form: _____
<small>Persons willfully making false statements on this form can be punished by fine or forfeiture under the Communications Act of 1934, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001.</small>	

**TO BE COMPLETED BY THE AUTHORIZED AGENT:**

Certification of Agent Authorized to File for Mobility Fund Recipients on Behalf of Reporting Carrier	
I, as agent for the reporting carrier, certify that I am authorized to submit the reports for Mobility Fund recipients on behalf of the reporting carrier; I have provided the data reported herein based on data provided by the reporting carrier; and, to the best of my knowledge, the information reported herein is accurate.	
Name of Reporting Carrier: _____	
Name of Authorized Agent Firm: _____	
Signature of Authorized Agent or Employee of Agent: _____	Date: _____
Name of Authorized Agent Employee: _____	
Title or position of Authorized Agent or Employee of Agent: _____	
Telephone number of Authorized Agent or Employee of Agent: _____	
Study Area Code of Reporting Carrier: _____	Filing Due Date for this form: _____
<small>Persons willfully making false statements on this form can be punished by fine or forfeiture under the Communications Act of 1934, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001.</small>	

## Attachments

# PUBLIC REFERENCE COPY

## (060) Coverage and Performance Report

FCC Form 690  
Approved by OMB  
OMB Control No. 3060-1185

<010> Study Area Code 238048  
 <015> Study Area Name United States Cellular Corporation  
 <020> Program Year 2016  
 <030> Contact Name - Person USAC should contact regarding this data Stephanie Cassioppi  
 <035> Contact Telephone Number - Number of person identified in data line <030> 6302013501 ext.  
 <039> Contact Email Address - Email Address of person identified in data line <030> Stephanie.Cassioppi@USCellular.com  
 <140> Coverage and Performance Report Year 01/2015 - 12/2015

<a1>	<a2>	<a3>	<b1>	<b2>	<b3>	<c1>	<c2>	<c3>	<d>
State	County	Census Block	Resident Population per Census Block	Resident Population Newly Reached by Service	Total Resident Population Reached by Service	Road Miles per Census Block	Road Miles per Census Block Newly Reached	Total Road Miles covered per Census Block	Certify that Coverage and Performance data is uploaded (yes/no)
NC	Granville	370779701022012	0	0	0	2.08	2.08	2.08	Yes
NC	Granville	370779701022021	0	0	0	1.99	1.99	1.99	Yes
NC	Granville	370779701021019	0	0	0	1.21	1.08	1.08	Yes
NC	Granville	370779701022008	0	0	0	0.32	0.32	0.32	Yes
NC	Granville	370779701021000	0	0	0	0.11	0.11	0.11	Yes
NC	Granville	370779701022010	0	0	0	0.37	0.37	0.37	Yes
NC	Granville	370779701022036	0	0	0	0.13	0.13	0.13	Yes
NC	Granville	370779701022020	0	0	0	0.8	0.8	0.8	Yes
NC	Granville	370779701021006	0	0	0	0.49	0.49	0.49	Yes
NC	Granville	370779701022019	0	0	0	2.2	2.2	2.2	Yes
NC	Granville	370779701021004	0	0	0	0.73	0.73	0.73	Yes
NC	Granville	370779701022039	0	0	0	0.61	0.61	0.61	Yes
NC	Granville	370779701022015	0	0	0	2.25	2.25	2.25	Yes
NC	Granville	370779701022016	0	0	0	0.05	0.05	0.05	Yes
NC	Granville	370779701022007	0	0	0	0.99	0.99	0.99	Yes
NC	Granville	370779701021011	0	0	0	5.28	5.13	5.13	Yes
NC	Granville	370779701022040	0	0	0	1.89	1.89	1.89	Yes
NC	Granville	370779701022003	0	0	0	2.43	2.36	2.36	Yes
NC	Granville	370779701022031	0	0	0	1.95	1.95	1.95	Yes
NC	Granville	370779701021008	0	0	0	7.17	7.08	7.08	Yes

Percentage of  
Total Population  
Reached by  
Service

0

Percentage of Total  
Road Miles covered  
by Service

96

# PUBLIC REFERENCE COPY

## (060) Coverage and Performance Report

FCC Form 690  
Approved by OMB  
OMB Control No. 3060-1185

<010>	Study Area Code	238048
<015>	Study Area Name	United States Cellular Corporation
<020>	Program Year	2016
<030>	Contact Name - Person USAC should contact regarding this data	Stephanie Cassioppi
<035>	Contact Telephone Number - Number of person identified in data line <030>	6302013501 ext.
<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com
<140>	Coverage and Performance Report Year	01/2015 - 12/2015

<a1>	<a2>	<a3>	<b1>	<b2>	<b3>	<c1>	<c2>	<c3>	<d>
State	County	Census Block	Resident Population per Census Block	Resident Population Newly Reached by Service	Total Resident Population Reached by Service	Road Miles per Census Block	Road Miles per Census Block Newly Reached	Total Road Miles covered per Census Block	Certify that Coverage and Performance data is uploaded (yes/no)
NC	Granville	370779701022025	0	0	0	2.0	2.0	2.0	Yes
NC	Granville	370779701022035	0	0	0	0.06	0.06	0.06	Yes
NC	Granville	370779701021005	0	0	0	0.11	0.11	0.11	Yes
NC	Granville	370779701021016	0	0	0	0.66	0.59	0.59	Yes
NC	Granville	370779701021007	0	0	0	1.29	1.29	1.29	Yes
NC	Granville	370779701022022	0	0	0	0.91	0.91	0.91	Yes
NC	Granville	370779701021015	0	0	0	0.1	0.1	0.1	Yes
NC	Granville	370779701021012	0	0	0	0.15	0.15	0.15	Yes
NC	Granville	370779701022038	0	0	0	0.17	0.17	0.17	Yes
NC	Granville	370779701021003	0	0	0	0.08	0.08	0.08	Yes
NC	Granville	370779701022014	0	0	0	2.57	2.57	2.57	Yes
NC	Granville	370779701022004	0	0	0	0.47	0.34	0.34	Yes
NC	Granville	370779701022037	0	0	0	0.22	0.22	0.22	Yes
NC	Granville	370779701022027	0	0	0	0.7	0.7	0.7	Yes
NC	Granville	370779701021020	0	0	0	0.66	0.52	0.52	Yes
NC	Granville	370779701022034	0	0	0	0.35	0.35	0.35	Yes
NC	Granville	370779701022013	0	0	0	0.35	0.35	0.35	Yes
NC	Granville	370779701021001	0	0	0	0.14	0.14	0.14	Yes
NC	Granville	370779701021010	0	0	0	0.03	0.03	0.03	Yes
NC	Granville	370779701022097	0	0	0	0.3	0.3	0.3	Yes

Percentage of  
Total Population  
Reached by  
Service

0

Percentage of Total  
Road Miles covered  
by Service

96



## PUBLIC REFERENCE COPY

## (060) Coverage and Performance Report

FCC Form 690

Approved by OMB

OMB Control No. 3060-1185

<010> Study Area Code 238048

<015>	Study Area Name	United States Cellular Corporation
-------	-----------------	------------------------------------

<020>	Program Year	2016
-------	--------------	------

<030>	Contact Name - Person USAC should contact regarding this data	Stephanie Cassioppi
-------	---	---------------------

<035>	Contact Telephone Number - Number of person identified in data line <030>	6302013501 ext.
-------	---	-----------------

<039> Contact Email Address - Email Address of person identified in data line <030> Stephanie.Cassioppi@USCellular.com

<140>	Coverage and Performance Report Year	01/2015 - 12/2015
-------	--------------------------------------	-------------------

[illegible]

Percentage of  
Total Population  
Reached by  
Service

0

Percentage of Total  
Road Miles covered  
by Service

96

# **PUBLIC REFERENCE COPY**

**FCC Form 690**

**Mobility Fund Phase 1 - \$54.1009 Annual Reporting**

**Line 041: Description of documents filed with Form 481 SAC 239006**

The documents filed with FCC Form 481 for SAC 239006 include:

- 239006NC310 Unfulfilled Service Requests (voice) Detail on Attempts
- 239006NC510 Service Quality Standards & Consumer Protection Rules Compliance
- 239006NC610 Functionality in Emergency Situations

**FCC Form 690 Line 211: PROJECT STATUS DESCRIPTION**

**For FINAL PAYMENT 3**

**Project Description and Statement of Technical Feasibility**

**Winning Bid Census Tract No. T37077970102 (Granville, NC)**

**SAC 238048**

**Total Bid Amount: \$517,700.00**

**I. Project Summary**

United States Cellular Corporation ("U.S. Cellular") currently provides wireless services in North Carolina. U.S. Cellular operates a 3G/4G wireless voice and data network incorporating state-of-the-art technologies including CDMA [REDACTED] and 4G LTE (Long Term Evolution). For this particular winning bid census tract, U.S. Cellular constructed [REDACTED] new LTE cell site in order to provide coverage to the unserved qualifying roads in the eligible census blocks within the winning bid census tract.

U.S. Cellular uses [REDACTED] 4G LTE technology to provide the required service. LTE incorporates Multiple In Multiple Out (MIMO) technology, the Orthogonal Frequency Division Multiple Access (OFDMA) air interface in the downlink and Single Carrier FDMA in the uplink. This combination provides high levels of spectral efficiency and network performance, coupled with high network capacity and low latency [REDACTED] 4G LTE.

Installation of the new cell site will enable U.S. Cellular to meet its public interest obligations to provide rural citizens with access to advanced telecommunications and information technologies that are reasonably comparable to those available in urban areas. U.S.

Cellular has identified areas that lack high-quality coverage, that is, dead zones where citizens have inconsistent access to wireless network signals or where coverage is insufficient to allow mobile usage without dropped calls.

Use of support from Auction 901 will permit U.S. Cellular to improve and expand coverage, and to cover operating and maintenance expenses expected in remote areas that are not expected to be cash flow positive for many years, if ever. In many areas where U.S. Cellular currently serves, consumers have access to data speeds that are insufficient to stream high quality video and transmit large files without significant delay. Installation of 4G service will significantly increase data speeds, well in excess of the 4/1 throughput requirement.

This will serve the public interest by allowing consumers to make more efficient use of high speed products and services, including smart phone devices, providing access to a wide variety of software applications. In every area where coverage is improved, rural citizens will see significant public safety benefits, as access to 911, E-911 and other important communications are all facilitated by improved connectivity in a mobile environment.

## II. Project Timeline

<b>MILESTONES</b>	<b>START</b>	<b>END</b>
1. Network Design		
2. Drafting, Posting of RFPs if applicable		
3. Vendor Selection		
4. Contract Negotiation if applicable		
5. Construction		
6. Meeting requirements for \$\$ Installments		
a. 1st disbursement - upon award, no other requirements		6/15/2013
b. 2nd disbursement -		
i. report demonstrating 50% road miles covered		Not requested
ii. 2nd LOC or increase to initial LOC to cover disbursement amount		Not required, initial LOC current
c. 3rd/final disbursement -		

i. report demonstrating at least 75% road miles covered (3yrs for 4G)		
---	--	--

**NOTE: BOTH PAYMENT 2 AND FINAL PAYMENT 3 ARE REQUESTED WITH THIS FILING.**

U.S. Cellular has completed a preliminary network design, which has informed its bidding strategy. U.S. Cellular has also completed its network design and budget, based on the then-current status of its network and then-current costs associated with purchasing the necessary equipment. U.S. Cellular employs radio-frequency engineers, as well as consulting engineers, to develop a final network design plan.

U.S. Cellular has completed its construction project and has completed drive testing and other requirements for second and final payments. U.S. Cellular installed equipment needed to upgrade its backhaul and network core facilities, so that all new network equipment that is installed is capable of providing service immediately.

Construction, installation and testing is complete and the actual date of network deployment was [REDACTED]. The information provided in this 690 filing for final disbursement proves that U.S. Cellular has achieved 75% or greater coverage, [REDACTED] coverage. The final disbursement should be [REDACTED], which, with the first disbursement of [REDACTED] of the total bid amount of \$517,700.

### **III. Statement of Technical Feasibility**

These network deployments and improvements are all technically feasible because they represent an extension of U.S. Cellular's existing network, which has been providing service for a number of years. The projected cost of U.S. Cellular's project plan and necessary operating and maintenance expenses exceed the amount of Auction 901 support that it will receive, and the company is prepared to invest the additional capital needed to complete the project. It has undertaken a financial analysis of the technical feasibility of meeting the FCC's coverage requirements and based on that analysis, it has determined that the combination of support and internally generated capital will be sufficient.

U.S. Cellular understands that the FCC's Auction 901 funding commitment is limited to the winning bid amount, and that U.S. Cellular will be responsible for providing additional internally generated capital, if needed, to meet the Commission's coverage and service requirements.

U.S. Cellular has already successfully rolled out 4G LTE service in much of its existing network. U.S. Cellular has familiarity with the challenges of deploying 4G technology as well as established relationships with equipment and handset vendors. U.S. Cellular understands the challenges of deploying a high-speed data network in a rural area and is fully confident that the technology it has chosen is technically feasible and that it has the necessary expertise to deploy a technically capable network solution that meets the FCC's coverage and throughput requirements.

U.S. Cellular has purchased peripheral technologies such as battery back-ups and diesel generators to ensure that its new network equipment is sufficiently hardened to withstand natural and man-made disasters.

#### IV. Budget and Actual Spending Breakdown

Census Tract	County/State	Bid	Project Budget Total
<b>T37077970102</b>	<b>Granville, NC</b>	<b>\$517,700.00</b>	

The following list specifically relates the budget to the costs for the activities in the project plan. Nonetheless, the project plan associated with this Census Tract is being undertaken jointly with the project plan associated with Winning Bid Census Tract No. T37185950400 (Warren, NC). Hence, the collective projects costs have been divided equally amongst both Census Tracts.

USAC Category	Project Budget Detail	Project Budget
Network Design	Network Design	In House
Construction		
Deployment		
Maintenance		
	<b>Total</b>	

The projected build plan set forth above, including costs and timeframes, are good-faith estimates based on current information and subject to change, depending on a variety of factors such as but not limited to terrain, zoning or other restriction on land usage, weather, and equipment availability from the selected vendors.



# PUBLIC REFERENCE COPY

<b>Mobility Fund</b> <b>Phase 1 - §54.1009 Annual Reporting</b> <b>Data Collection Form</b>	FCC Form Approved by OMB OMB 3060-1185 Avg. Burden Estimate per Respondent: 18 Hours
---	---

<b>&lt;010&gt; Study Area Code</b>	238049
<b>&lt;015&gt; Study Area Name</b>	United States Cellular Corporation
<b>&lt;020&gt; Program Year</b>	2016
<b>&lt;030&gt; Contact Name: Person USAC should contact with questions about this data</b>	Stephanie Cassioppi
<b>&lt;035&gt; Contact Telephone Number: Number of the person identified in data line &lt;030&gt;</b>	6302013501 ext.
<b>&lt;039&gt; Contact Email: Email of the person identified in data line &lt;030&gt;</b>	Stephanie.Cassioppi@USCellular.com

<b>&lt;040&gt; <u>Has the information required pursuant to §54.1009 been provided with a Form 481 filing (Y/N)</u></b>	<b>&lt;040&gt;</b>	<input checked="" type="radio"/> <input type="radio"/>
<b>&lt;041&gt; Attach a description of the documents filed with the Form 481 reporting</b>	<b>&lt;041&gt;</b>	<div style="border: 1px solid black; padding: 2px;">238049NC041.pdf</div>
<b>&lt;042&gt; Cite the Study Area Code (SAC) for the Form 481 reporting</b>	<b>&lt;042&gt;</b>	<div style="border: 1px solid black; padding: 2px;">239006</div>

<b>&lt;080&gt; <u>Tribal Lands Reporting (y/n?)</u></b>	<b>&lt;080&gt;</b>	<input type="radio"/> <input checked="" type="radio"/>
---	--------------------	--

(Does this study area cover tribal lands? Yes or No)

**Notice to Individuals Required by the Paperwork Reduction Act of 1995**

OMB Control Number 3060-1185 (Annual Report for Mobility Fund Phase I Support, FCC Form 690 and Record Retention Requirements)

Notice to Individuals Required by the Paperwork Reduction Act of 1995

Public reporting burden for this collection of information is estimated to average 18 hours per response. Our estimate includes the time to read the instructions, look through existing records, gather and maintain required data, and actually complete and review the form or response. If you have any comments on this estimate, or on how we can improve the collection and reduce the burden it causes you, please write the Federal Communications Commission, Office of Managing Director, AMD-PERM, Washington, DC 20554, Paperwork Reduction Act Project (3060-1185). Please DO NOT SEND COMPLETED FORMS TO THIS ADDRESS. You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number and/or we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-1185.

THIS NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.

# PUBLIC REFERENCE COPY

## (050) Carrier Contact Form

FCC Form 690  
Approved by OMB  
OMB Control No. 3060-1185  
Page 2 of 8

<010>	Study Area Code	238049
<015>	Study Area Name	United States Cellular Corporation
<020>	Program Year	2016
<030>	Contact Name - Person USAC should contact regarding this data	Stephanie Cassioppi
<035>	Contact Telephone Number - Number of person identified in data line <030>	6302013501 ext.
<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com

### Reporting Carrier / Mobility Fund Phase 1 Winning Bidder

<110>	FCC Registration Number	4372322
<111>	Filing Carrier Name	United States Cellular Corporation
<112>	Winning Bidder Carrier Name	United States Cellular Corporation
<113>	Street Address (or PO Box)	8410 W. Bryn Mawr
<114>	City	Chicago
<115>	State	IL
<116>	Zip-Code	60631
<117>	Telephone Number	6302013501 ext.
<118>	Fax Number	7733998959
<119>	Email Address	Stephanie.Cassioppi@USCellular.com

### Contact Information

if same as above, indicate in this box



<120>	Name (First, MI, Last, Suffix)	Stephanie Cassioppi
<121>	Filing Carrier Name	United States Cellular Corporation
<122>	Street Address (or PO Box)	8410 W. Bryn Mawr
<123>	City	Chicago
<124>	State	IL
<125>	Zip-Code	60631
<126>	Telephone Number	6302013501 ext.
<127>	Fax Number	7733998959
<128>	Email Address	Stephanie.Cassioppi@USCellular.com

### Authorized Agent Information

if no agent, indicate in this box



<130>	Name (First, MI, Last, Suffix)	
<131>	Company	
<132>	Street Address (or PO Box)	
<133>	City	
<134>	State	
<135>	Zip-Code	
<136>	Telephone Number	
<137>	Fax Number	
<138>	Email Address	

**PUBLIC REFERENCE COPY**

## (060) Coverage and Performance Report

FCC Form 690

Approved by OMB

OMB Control No. 3060-1185

Page 3 of 8

<010>	Study Area Code	238049
<015>	Study Area Name	United States Cellular Corporation
<020>	Program Year	2016
<030>	Contact Name - Person USAC should contact regarding this data	Stephanie Cassioppi
<035>	Contact Telephone Number - Number of person identified in data line <030>	6302013501 ext.
<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com
<140>	Coverage and Performance Report Year	01/2015 - 12/2015

238049\_CPRd\_NC\_final.zip, 238049\_CPre\_f\_NC\_final.zip,  
238049 covered roads undriveable roads final.zip

Coverage and Performace attachments

[illegible]

Percentage of Total  
Population Reached by  
Service

99

Percentage of Total  
Road Miles covered  
by Service

99

# PUBLIC REFERENCE COPY

(070) Urban Rate Comparability Certification Compliance

FCC Form 690  
Approved by OMB  
OMB Control No. 3060-1185  
Page 4 of 8

<010> Study Area Code	238049
<015> Study Area Name	United States Cellular Corporation
<020> Program Year	2016
<030> Contact Name - Person USAC should contact regarding this data	Stephanie Cassioppi
<035> Contact Telephone Number - Number of person identified in data line <030>	6302013501 ext.
<039> Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com

TO BE COMPLETED BY THE REPORTING CARRIER, IF THE REPORTING CARRIER IS FILING CERTIFICATION DATA ON ITS OWN BEHALF:

<b>Certification of Officer or Employee as to Compliance with 47 CFR §54.1009(a)(4)</b>	
I certify that I am an officer or employee of the reporting carrier; my responsibilities include ensuring compliance with 47 CFR §54.1009(a)(4), the information reported on this form and in any attachments is accurate.	
Name of Reporting Carrier:	United States Cellular Corporation
Signature of Authorized Officer:	CERTIFIED ONLINE <span style="float: right;">Date 06/20/2016</span>
Printed name of Authorized Officer:	John Gockley
Title or position of Authorized Officer:	VP-Legal and Regulatory Affairs
Telephone number of Authorized Officer:	7738643167 ext.
Study Area Code of Reporting Carrier:	238049 <span style="float: right;">Filing Due Date for this form: 07/01/2016</span>
Persons willfully making false statements on this form can be punished by fine or forfeiture under the Communications Act of 1934, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001.	

TO BE COMPLETED BY THE REPORTING CARRIER, IF AN AGENT IS FILING CERTIFICATION DATA ON THE CARRIER'S BEHALF:

<b>Certification of Officer or Employee to authorize an Agent to file Compliance with 47 CFR §54.1009(a)(4) on Behalf of Reporting Carrier</b>	
I certify that (Name of Agent) <span style="float: right;">is authorized to submit the information reported on behalf of the reporting carrier. I also certify that I am an officer or employee of the reporting carrier; my responsibilities include ensuring compliance with 47 CFR §54.1009(a)(4) reported to the authorized agent; and, to the best of my knowledge, the reports and data provided to the authorized agent is accurate.</span>	
Name of Authorized Agent:	
Name of Reporting Carrier:	
Signature of Authorized Officer or Employee:	Date:
Printed name of Authorized Officer or Employee:	
Title or position of Authorized Officer or Employee:	
Telephone number of Authorized Officer or Employee:	
Study Area Code of Reporting Carrier:	Filing Due Date for this form:
Persons willfully making false statements on this form can be punished by fine or forfeiture under the Communications Act of 1934, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001.	

TO BE COMPLETED BY THE AUTHORIZED AGENT:

<b>Certification of Agent Authorized to File Compliance with 47 CFR §54.1009(a)(4) on Behalf of Reporting Carrier</b>	
I, as agent for the reporting carrier, certify that I am authorized to submit the certification on behalf of the reporting carrier; I have provided the data reported herein based on data provided by the reporting carrier; and, to the best of my knowledge, the information reported herein is accurate.	
Name of Reporting Carrier:	
Name of Authorized Agent Firm:	
Signature of Authorized Agent or Employee of Agent:	Date:
Name of Authorized Agent Employee:	
Title or position of Authorized Agent or Employee of Agent:	
Telephone number of Authorized Agent or Employee of Agent:	
Study Area Code of Reporting Carrier:	Filing Due Date for this form:
Persons willfully making false statements on this form can be punished by fine or forfeiture under the Communications Act of 1934, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001.	

# PUBLIC REFERENCE COPY

(080) Tribal Lands Reporting

FCC Form 690

Approved by OMB

OMB Control No. 3060-1185

Page 5 of 8

<010>	Study Area Code	238049
<015>	Study Area Name	United States Cellular Corporation
<020>	Program Year	2016
<030>	Contact Name - Person USAC should contact regarding this data	Stephanie Cassioppi
<035>	Contact Telephone Number - Number of person identified in data line <030>	6302013501 ext.
<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com

<142> State

<143> County

<144> Tribal Land(s) on which ETC Serves

<145> Tribal Government Engagement Obligation

Name of Attached Document (.pdf)

If your company serves Tribal lands, please select (Yes, No, Not Applicable) for each of these boxes to confirm the status described on the attached PDF, on line 145, demonstrates coordination with the Tribal government pursuant to § 54.1004 includes:

- <146> Needs assessment and deployment planning with a focus on Tribal community anchor institutions;
- <147> Feasibility and sustainability planning;
- <148> Marketing services in a culturally sensitive manner;
- <149> Compliance with Rights of way processes
- <150> Compliance with Land Use permitting requirements
- <151> Compliance with Facilities Siting rules
- <152> Compliance with Environmental Review processes
- <153> Compliance with Cultural Preservation review processes
- <154> Compliance with Tribal Business and Licensing requirements.

Select (Yes, No, Not Applicable)

# PUBLIC REFERENCE COPY

(090) Project Update Information

FCC Form 690

Approved by OMB

OMB Control No. 3060-1185

Page 6 of 8

<010>	Study Area Code	238049
<015>	Study Area Name	United States Cellular Corporation
<020>	Program Year	2016
<030>	Contact Name - Person USAC should contact regarding this data	Stephanie Cassioppi
<035>	Contact Telephone Number - Number of person identified in data line <030>	6302013501 ext.
<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com

<200> Date Authorized to Receive Support

06/24/2013

<201> Targeted Completion Date

05/01/2016

<202> Total Mobility Fund Support Awarded

<203> Total Mobility Fund Support Disbursed

<210> Actual Completion Date

<211> Project Status Description (attached)

238049NC211final.pdf

(Name of PDF attached)

Please check these boxes below to confirm that the attached PDF, on line 211, contains a project status pursuant to §54.1005(b)(2)(v). The information shall be submitted as appropriate.

<212> Status of Network Deployment - Network Design

✓

<213> Status of Network Deployment - Construction

✓

<214> Status of Network Deployment - Deployment

✓

<215> Status of Network Deployment - Maintenance

✓

<216> Project Budget Status

✓

<217> Project Plan Status

✓

<218> Network will Support 3G/4G Mobile Service ?



3G



4G

# PUBLIC REFERENCE COPY

**(101) Certification - Reporting Carrier**

FCC Form 690  
Approved by OMB  
OMB Control No. 3060-1185  
Page 7 of 8

<010>	Study Area Code	238049
<015>	Study Area Name	United States Cellular Corporation
<020>	Program Year	2016
<030>	Contact Name - Person USAC should contact regarding this data	Stephanie Cassioppi
<035>	Contact Telephone Number - Number of person identified in data line <030>	6302013501 ext.
<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com

TO BE COMPLETED BY THE REPORTING CARRIER, IF THE REPORTING CARRIER IS FILING ON ITS OWN BEHALF:

<b>Certification of Officer as to the Accuracy of the Data Reported for Mobility Fund Recipients</b>	
I certify that I am an officer of the reporting carrier; my responsibilities include ensuring the accuracy of the reporting requirements for Mobility Fund recipients; and, to the best of my knowledge, the information reported on this form and in any attachments is accurate.	
Name of Reporting Carrier:	United States Cellular Corporation
Signature of Authorized Officer:	CERTIFIED ONLINE Date 06/20/2016
Printed name of Authorized Officer:	John Gockley
Title or position of Authorized Officer:	VP-Legal and Regulatory Affairs
Telephone number of Authorized Officer:	7738643167 ext.
Study Area Code of Reporting Carrier:	238049 Filing Due Date for this form: 07/01/2016
Persons willfully making false statements on this form can be punished by fine or forfeiture under the Communications Act of 1934, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001.	

**PUBLIC REFERENCE COPY**

(102) Certification - Agent / Carrier

FCC Form 690  
Approved by OMB  
OMB Control No. 3060-1185  
Page 8 of 8

<010>	Study Area Code	238049
<015>	Study Area Name	United States Cellular Corporation
<020>	Program Year	2016
<030>	Contact Name - Person USAC should contact regarding this data	Stephanie Cassioppi
<035>	Contact Telephone Number - Number of person identified in data line <030>	6302013501 ext.
<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com

TO BE COMPLETED BY THE REPORTING CARRIER, IF AN AGENT IS FILING ON THE CARRIER'S BEHALF:

Certification of Officer to Authorize an Agent to File for Mobility Fund Recipients on Behalf of Reporting Carrier	
I certify that (Name of Agent) _____ is authorized to submit the information reported on behalf of the reporting carrier. I also certify that I am an officer of the reporting carrier; my responsibilities include ensuring the accuracy of the data reporting requirements provided to the authorized agent; and, to the best of my knowledge, the reports and data provided to the authorized agent is accurate.	
Name of Authorized Agent: _____	
Name of Reporting Carrier: _____	
Signature of Authorized Officer: _____	Date: _____
Printed name of Authorized Officer: _____	
Title or position of Authorized Officer: _____	
Telephone number of Authorized Officer: _____	
Study Area Code of Reporting Carrier: _____	Filing Due Date for this form: _____
Persons willfully making false statements on this form can be punished by fine or forfeiture under the Communications Act of 1934, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001.	

TO BE COMPLETED BY THE AUTHORIZED AGENT:

Certification of Agent Authorized to File for Mobility Fund Recipients on Behalf of Reporting Carrier	
I, as agent for the reporting carrier, certify that I am authorized to submit the reports for Mobility Fund recipients on behalf of the reporting carrier; I have provided the data reported herein based on data provided by the reporting carrier; and, to the best of my knowledge, the information reported herein is accurate.	
Name of Reporting Carrier: _____	
Name of Authorized Agent Firm: _____	
Signature of Authorized Agent or Employee of Agent: _____	Date: _____
Name of Authorized Agent Employee: _____	
Title or position of Authorized Agent or Employee of Agent: _____	
Telephone number of Authorized Agent or Employee of Agent: _____	
Study Area Code of Reporting Carrier: _____	Filing Due Date for this form: _____
Persons willfully making false statements on this form can be punished by fine or forfeiture under the Communications Act of 1934, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001.	



## Attachments

## (060) Coverage and Performance Report

FCC Form 690

Approved by OMB

OMB Control No. 3060-1185

<010>	Study Area Code	238049
<015>	Study Area Name	United States Cellular Corporation
<020>	Program Year	2016
<030>	Contact Name - Person USAC should contact <b>regarding this data</b>	Stephanie Cassioppi
<035>	Contact Telephone Number - Number of person identified in data line <030>	6302013501 ext.
<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com
<140>	Coverage and Performance Report Year	01/2015 - 12/2015

[illegible]

Percentage of  
Total Population  
Reached by  
Service

99

Percentage of Total  
Road Miles covered  
by Service

99

**FCC Form 690**

**Mobility Fund Phase 1 - \$54.1009 Annual Reporting**

**Line 041: Description of documents filed with Form 481 SAC 239006**

The documents filed with FCC Form 481 for SAC 239006 include:

- 239006NC310 Unfulfilled Service Requests (voice) Detail on Attempts
- 239006NC510 Service Quality Standards & Consumer Protection Rules Compliance
- 239006NC610 Functionality in Emergency Situations

**FCC Form 690 Line 211: PROJECT STATUS DESCRIPTION**

**For both PAYMENT 2 AND PAYMENT 3**

**Project Description and Statement of Technical Feasibility**

**Winning Bid Census Tract No. T37185950400 (Warren, NC)**

**SAC 238049**

**Total Bid Amount: \$483,580.75**

**I. Project Summary**

United States Cellular Corporation (“U.S. Cellular”) currently provides wireless services in North Carolina. U.S. Cellular operates a 3G/4G wireless voice and data network incorporating state-of-the-art technologies including CDMA [REDACTED] and 4G LTE (Long Term Evolution). For this particular winning bid census tract, U.S. Cellular constructed [REDACTED] new LTE cell site in order to provide coverage to the unserved qualifying roads in the eligible census blocks within the winning bid census tract.

U.S. Cellular uses [REDACTED] 4G LTE technology to provide the required service. LTE incorporates Multiple In Multiple Out (MIMO) technology, the Orthogonal Frequency Division Multiple Access (OFDMA) air interface in the downlink and Single Carrier FDMA in the uplink. This combination provides high levels of spectral efficiency and network performance, coupled with high network capacity and low latency [REDACTED] [REDACTED] 4G LTE.

Installation of the new cell site will enable U.S. Cellular to meet its public interest obligations to provide rural citizens with access to advanced telecommunications and

information technologies that are reasonably comparable to those available in urban areas. U.S. Cellular has identified areas that lack high-quality coverage, that is, dead zones where citizens have inconsistent access to wireless network signals or where coverage is insufficient to allow mobile usage without dropped calls.

Use of support from Auction 901 will permit U.S. Cellular improve and expand coverage, and to cover operating and maintenance expenses expected in remote areas that are not expected to be cash flow positive for many years, if ever. In many areas where U.S. Cellular currently serves, consumers have access to data speeds that are insufficient to stream high quality video and transmit large files without significant delay. Installation of 4G service will significantly increase data speeds, well in excess of the 4/1 throughput requirement.

This will serve the public interest by allowing consumers to make more efficient use of high speed products and services, including smart phone devices, providing access to a wide variety of software applications. In every area where coverage is improved, rural citizens will see significant public safety benefits, as access to 911, E-911 and other important communications are all facilitated by improved connectivity in a mobile environment.

## II. Project Timeline

<b>MILESTONES</b>	<b>START</b>	<b>END</b>
1. Network Design		
2. Drafting, Posting of RFPs if applicable		
3. Vendor Selection		
4. Contract Negotiation if applicable		
5. Construction		
6. Meeting requirements for \$\$ Installments		
a. 1st disbursement - upon award, no other requirements		6/15/2013
b. 2nd disbursement -		
i. report demonstrating 50% road miles covered		
ii. 2nd LOC or increase to initial LOC to cover disbursement amount		Not required, initial LOC current
c. 3rd/final disbursement -		
i. report demonstrating 75% road miles covered (3yrs for 4G)		

U.S. Cellular has completed a preliminary network design, which has informed its bidding strategy. U.S. Cellular has also completed its network design and budget, based on the then-current status of its network and then-current costs associated with purchasing the necessary equipment. U.S. Cellular employs radio-frequency engineers, as well as consulting engineers, to develop a final network design plan.

U.S. Cellular has completed its construction project, and has installed equipment needed to upgrade its backhaul and network core facilities, so that all new installed network equipment is capable of providing service immediately.

Construction, installation and testing is complete and the actual date of network deployment was [REDACTED]. The information provided in this 690 filing for final disbursement proves that U.S. Cellular has achieved 75% or greater coverage, [REDACTED]

coverage. The final disbursement should be [REDACTED], which, with the first disbursement of [REDACTED] of the total bid amount of \$483,580.75.

### **III. Statement of Technical Feasibility**

These network deployments and improvements are all technically feasible because they represent an extension of U.S. Cellular's existing network, which has been providing service for a number of years. The projected cost of U.S. Cellular's project plan and necessary operating and maintenance expenses exceeded the amount of Auction 901 support that it will receive, and the company invested the additional capital needed to complete the project. It has undertaken a financial analysis of the technical feasibility of meeting the FCC's coverage requirements and based on that analysis, it has determined that the combination of support and internally generated capital was sufficient.

U.S. Cellular understands that the FCC's Auction 901 funding commitment is limited to the winning bid amount, and that U.S. Cellular will be responsible for providing additional internally generated capital, if needed, to meet the Commission's coverage and service requirements.

U.S. Cellular has successfully rolled out 4G LTE service in parts of its existing network. U.S. Cellular has familiarity with the challenges of deploying 4G technology as well as established relationships with equipment and handset vendors. U.S. Cellular understands the challenges of deploying a high-speed data network in a rural area and is fully confident that the technology it has chosen is technically feasible and that it has the necessary expertise to deploy a technically capable network solution that meets the FCC's coverage and throughput requirements.

U.S. Cellular has purchased peripheral technologies such as battery back-ups and diesel generators to ensure that its new network equipment is sufficiently hardened to withstand natural and man-made disasters.

**IV. Budget and Actual Spending Breakdown**

Census Tract	County/State	Bid	Project Budget Total
T37185950400	Warren, NC	\$483,580.75	

The following list specifically relates the budget to the costs for the activities in the project plan. Nonetheless, the project plan associated with this Census Tract is being undertaken jointly with the project plan associated with Winning Bid Census Tract No. T37077970102 (Granville, NC). Hence, the collective projects costs have been divided equally amongst both Census Tracts.

USAC Category	Project Budget Detail	Budget - Cost to Complete	Costs Incurred as of 4/2015	Actual to Budget Percentage
Network Design	Network Design	In House	In House	N/A
Construction				
Deployment				
Maintenance				
	<b>Total</b>			



# PUBLIC REFERENCE COPY

<b>Mobility Fund</b> <b>Phase 1 - §54.1009 Annual Reporting</b> <b>Data Collection Form</b>	FCC Form Approved by OMB OMB 3060-1185 Avg. Burden Estimate per Respondent: 18 Hours
---	---

<b>&lt;010&gt; Study Area Code</b>	238050
<b>&lt;015&gt; Study Area Name</b>	United States Cellular Corporation
<b>&lt;020&gt; Program Year</b>	2016
<b>&lt;030&gt; Contact Name: Person USAC should contact with questions about this data</b>	Stephanie Cassioppi
<b>&lt;035&gt; Contact Telephone Number: Number of the person identified in data line &lt;030&gt;</b>	6302013501 ext.
<b>&lt;039&gt; Contact Email: Email of the person identified in data line &lt;030&gt;</b>	Stephanie.Cassioppi@USCellular.com

<b>&lt;040&gt; Has the information required pursuant to §54.1009 been provided with a Form 481 filing (Y/N)</b>	<b>&lt;040&gt;</b>	<input checked="" type="radio"/> <input type="radio"/>
<b>&lt;041&gt; Attach a description of the documents filed with the Form 481 reporting</b>	<b>&lt;041&gt;</b>	<div style="border: 1px solid black; padding: 2px;">238050NC041.pdf</div>
<b>&lt;042&gt; Cite the Study Area Code (SAC) for the Form 481 reporting</b>	<b>&lt;042&gt;</b>	<div style="border: 1px solid black; padding: 2px;">239006</div>

<b>&lt;080&gt; Tribal Lands Reporting (y/n?)</b>	<b>&lt;080&gt;</b>	<input type="radio"/> <input checked="" type="radio"/>
--	--------------------	--

(Does this study area cover tribal lands? Yes or No)

**Notice to Individuals Required by the Paperwork Reduction Act of 1995**

OMB Control Number 3060-1185 (Annual Report for Mobility Fund Phase I Support, FCC Form 690 and Record Retention Requirements)

Notice to Individuals Required by the Paperwork Reduction Act of 1995

Public reporting burden for this collection of information is estimated to average 18 hours per response. Our estimate includes the time to read the instructions, look through existing records, gather and maintain required data, and actually complete and review the form or response. If you have any comments on this estimate, or on how we can improve the collection and reduce the burden it causes you, please write the Federal Communications Commission, Office of Managing Director, AMD-PERM, Washington, DC 20554, Paperwork Reduction Act Project (3060-1185). Please DO NOT SEND COMPLETED FORMS TO THIS ADDRESS. You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number and/or we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-1185.

THIS NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.

**(050) Carrier Contact Form**

FCC Form 690  
 Approved by OMB  
 OMB Control No. 3060-1185  
 Page 2 of 8

<010>	Study Area Code	238050
<015>	Study Area Name	United States Cellular Corporation
<020>	Program Year	2016
<030>	Contact Name - Person USAC should contact regarding this data	Stephanie Cassioppi
<035>	Contact Telephone Number - Number of person identified in data line <030>	6302013501 ext.
<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com

**Reporting Carrier / Mobility Fund Phase 1 Winning Bidder**

<110>	FCC Registration Number	4372322
<111>	Filing Carrier Name	United States Cellular Corporation
<112>	Winning Bidder Carrier Name	United States Cellular Corporation
<113>	Street Address (or PO Box)	8410 W. Bryn Mawr
<114>	City	Chicago
<115>	State	IL
<116>	Zip-Code	60631
<117>	Telephone Number	6302013501 ext.
<118>	Fax Number	7733998959
<119>	Email Address	Stephanie.Cassioppi@USCellular.com

**Contact Information**

if same as above, indicate in this box



<120>	Name (First, MI, Last, Suffix)	Stephanie Cassioppi
<121>	Filing Carrier Name	United States Cellular Corporation
<122>	Street Address (or PO Box)	8410 W. Bryn Mawr
<123>	City	Chicago
<124>	State	IL
<125>	Zip-Code	60631
<126>	Telephone Number	6302013501 ext.
<127>	Fax Number	7733998959
<128>	Email Address	Stephanie.Cassioppi@USCellular.com

**Authorized Agent Information**

if no agent, indicate in this box



<130>	Name (First, MI, Last, Suffix)	
<131>	Company	
<132>	Street Address (or PO Box)	
<133>	City	
<134>	State	
<135>	Zip-Code	
<136>	Telephone Number	
<137>	Fax Number	
<138>	Email Address	

**PUBLIC REFERENCE COPY**

## (060) Coverage and Performance Report

FCC Form 690

Approved by OMB

OMB Control No. 3060-1185

Page 3 of 8

<010>	Study Area Code	238050
<015>	Study Area Name	United States Cellular Corporation
<020>	Program Year	2016
<030>	Contact Name - Person USAC should contact regarding this data	Stephanie Cassioppi
<035>	Contact Telephone Number - Number of person identified in data line <030>	6302013501 ext.
<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com
<140>	Coverage and Performance Report Year	01/2015 - 12/2015

238050\_CPRd\_NC.zip, 238050\_CPRe\_f\_NC.zip,  
238050 covered roads undriveable roads NC.zip

Coverage and Performance attachments

[illegible]

Percentage of Total  
Population Reached by  
Service

0

Percentage of Total  
Road Miles covered  
by Service

89

# PUBLIC REFERENCE COPY

**(070) Urban Rate Comparability Certification Compliance**

FCC Form 690  
Approved by OMB  
OMB Control No. 3060-1185  
Page 4 of 8

<010>	Study Area Code	238050
<015>	Study Area Name	United States Cellular Corporation
<020>	Program Year	2016
<030>	Contact Name - Person USAC should contact regarding this data	Stephanie Cassioppi
<035>	Contact Telephone Number - Number of person identified in data line <030>	6302013501 ext.
<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com

**TO BE COMPLETED BY THE REPORTING CARRIER, IF THE REPORTING CARRIER IS FILING CERTIFICATION DATA ON ITS OWN BEHALF:**

<b>Certification of Officer or Employee as to Compliance with 47 CFR §54.1009(a)(4)</b>	
I certify that I am an officer or employee of the reporting carrier; my responsibilities include ensuring compliance with 47 CFR §54.1009(a)(4), the information reported on this form and in any attachments is accurate.	
Name of Reporting Carrier:	United States Cellular Corporation
Signature of Authorized Officer:	CERTIFIED ONLINE <span style="float: right;">Date 06/20/2016</span>
Printed name of Authorized Officer:	John Gockley
Title or position of Authorized Officer:	VP-Legal and Regulatory Affairs
Telephone number of Authorized Officer:	7738643167 ext.
Study Area Code of Reporting Carrier:	238050 <span style="float: right;">Filing Due Date for this form: 07/01/2016</span>
Persons willfully making false statements on this form can be punished by fine or forfeiture under the Communications Act of 1934, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001.	

**TO BE COMPLETED BY THE REPORTING CARRIER, IF AN AGENT IS FILING CERTIFICATION DATA ON THE CARRIER'S BEHALF:**

<b>Certification of Officer or Employee to authorize an Agent to file Compliance with 47 CFR §54.1009(a)(4) on Behalf of Reporting Carrier</b>	
I certify that (Name of Agent) _____ is authorized to submit the information reported on behalf of the reporting carrier. I also certify that I am an officer or employee of the reporting carrier; my responsibilities include ensuring compliance with 47 CFR §54.1009(a)(4) reported to the authorized agent; and, to the best of my knowledge, the reports and data provided to the authorized agent is accurate.	
Name of Authorized Agent:	
Name of Reporting Carrier:	
Signature of Authorized Officer or Employee:	Date:
Printed name of Authorized Officer or Employee:	
Title or position of Authorized Officer or Employee:	
Telephone number of Authorized Officer or Employee:	
Study Area Code of Reporting Carrier:	Filing Due Date for this form:
Persons willfully making false statements on this form can be punished by fine or forfeiture under the Communications Act of 1934, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001.	

**TO BE COMPLETED BY THE AUTHORIZED AGENT:**

<b>Certification of Agent Authorized to File Compliance with 47 CFR §54.1009(a)(4) on Behalf of Reporting Carrier</b>	
I, as agent for the reporting carrier, certify that I am authorized to submit the certification on behalf of the reporting carrier; I have provided the data reported herein based on data provided by the reporting carrier; and, to the best of my knowledge, the information reported herein is accurate.	
Name of Reporting Carrier:	
Name of Authorized Agent Firm:	
Signature of Authorized Agent or Employee of Agent:	Date:
Name of Authorized Agent Employee:	
Title or position of Authorized Agent or Employee of Agent:	
Telephone number of Authorized Agent or Employee of Agent:	
Study Area Code of Reporting Carrier:	Filing Due Date for this form:
Persons willfully making false statements on this form can be punished by fine or forfeiture under the Communications Act of 1934, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001.	

# PUBLIC REFERENCE COPY

## (080) Tribal Lands Reporting

FCC Form 690

Approved by OMB

OMB Control No. 3060-1185

Page 5 of 8

<010>	Study Area Code	238050
<015>	Study Area Name	United States Cellular Corporation
<020>	Program Year	2016
<030>	Contact Name - Person USAC should contact regarding this data	Stephanie Cassioppi
<035>	Contact Telephone Number - Number of person identified in data line <030>	6302013501 ext.
<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com

<142> State

<143> County

<144> Tribal Land(s) on which ETC Serves

<145> Tribal Government Engagement Obligation

Name of Attached Document (.pdf)

If your company serves Tribal lands, please select (Yes, No, Not Applicable) for each of these boxes to confirm the status described on the attached PDF, on line 145, demonstrates coordination with the Tribal government pursuant to § 54.1004 includes:

- <146> Needs assessment and deployment planning with a focus on Tribal community anchor institutions;
- <147> Feasibility and sustainability planning;
- <148> Marketing services in a culturally sensitive manner;
- <149> Compliance with Rights of way processes
- <150> Compliance with Land Use permitting requirements
- <151> Compliance with Facilities Siting rules
- <152> Compliance with Environmental Review processes
- <153> Compliance with Cultural Preservation review processes
- <154> Compliance with Tribal Business and Licensing requirements.

Select (Yes, No, Not Applicable)

# PUBLIC REFERENCE COPY

**(090) Project Update Information**

FCC Form 690

Approved by OMB

OMB Control No. 3060-1185

Page 6 of 8

<010>	Study Area Code	238050
<015>	Study Area Name	United States Cellular Corporation
<020>	Program Year	2016
<030>	Contact Name - Person USAC should contact regarding this data	Stephanie Cassioppi
<035>	Contact Telephone Number - Number of person identified in data line <030>	6302013501 ext.
<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com

<200> Date Authorized to Receive Support

06/24/2013

<201> Targeted Completion Date

01/12/2016

<202> Total Mobility Fund Support Awarded

<203> Total Mobility Fund Support Disbursed

<210> Actual Completion Date

<211> Project Status Description (attached)

238050\_211\_NC.pdf

*{Name of PDF attached}*

Please check these boxes below to confirm that the attached PDF, on line 211, contains a project status pursuant to §54.1005(b)(2)(v). The information shall be submitted as appropriate.

<212> Status of Network Deployment - Network Design

<213> Status of Network Deployment - Construction

<214> Status of Network Deployment - Deployment

<215> Status of Network Deployment - Maintenance

<216> Project Budget Status

<217> Project Plan Status

✓
✓
✓
✓
✓
✓

<218> Network will Support 3G/4G Mobile Service ?

☐

3G

☒

4G

## (101) Certification - Reporting Carrier

FCC Form 690  
 Approved by OMB  
 OMB Control No. 3060-1185  
 Page 7 of 8

<010>	Study Area Code	238050
<015>	Study Area Name	United States Cellular Corporation
<020>	Program Year	2016
<030>	Contact Name - Person USAC should contact regarding this data	Stephanie Cassioppi
<035>	Contact Telephone Number - Number of person identified in data line <030>	6302013501 ext.
<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com

TO BE COMPLETED BY THE REPORTING CARRIER, IF THE REPORTING CARRIER IS FILING ON ITS OWN BEHALF:

Certification of Officer as to the Accuracy of the Data Reported for Mobility Fund Recipients	
I certify that I am an officer of the reporting carrier; my responsibilities include ensuring the accuracy of the reporting requirements for Mobility Fund recipients; and, to the best of my knowledge, the information reported on this form and in any attachments is accurate.	
Name of Reporting Carrier:	United States Cellular Corporation
Signature of Authorized Officer:	CERTIFIED ONLINE
Printed name of Authorized Officer:	John Gockley
Title or position of Authorized Officer:	VP-Legal and Regulatory Affairs
Telephone number of Authorized Officer:	7738643167 ext.
Study Area Code of Reporting Carrier:	238050
Filing Due Date for this form:	07/01/2016
Persons willfully making false statements on this form can be punished by fine or forfeiture under the Communications Act of 1934, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001.	



# PUBLIC REFERENCE COPY

**(102) Certification - Agent / Carrier**

FCC Form 690  
Approved by OMB  
OMB Control No. 3060-1185  
Page 8 of 8

<010>	Study Area Code	238050
<015>	Study Area Name	United States Cellular Corporation
<020>	Program Year	2016
<030>	Contact Name - Person USAC should contact regarding this data	Stephanie Cassioppi
<035>	Contact Telephone Number - Number of person identified in data line <030>	6302013501 ext.
<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com

TO BE COMPLETED BY THE REPORTING CARRIER, IF AN AGENT IS FILING ON THE CARRIER'S BEHALF:

Certification of Officer to Authorize an Agent to File for Mobility Fund Recipients on Behalf of Reporting Carrier	
I certify that (Name of Agent) _____ is authorized to submit the information reported on behalf of the reporting carrier. I also certify that I am an officer of the reporting carrier; my responsibilities include ensuring the accuracy of the data reporting requirements provided to the authorized agent; and, to the best of my knowledge, the reports and data provided to the authorized agent is accurate.	
Name of Authorized Agent: _____	
Name of Reporting Carrier: _____	
Signature of Authorized Officer: _____	Date: _____
Printed name of Authorized Officer: _____	
Title or position of Authorized Officer: _____	
Telephone number of Authorized Officer: _____	
Study Area Code of Reporting Carrier: _____	Filing Due Date for this form: _____
Persons willfully making false statements on this form can be punished by fine or forfeiture under the Communications Act of 1934, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001.	

TO BE COMPLETED BY THE AUTHORIZED AGENT:

Certification of Agent Authorized to File for Mobility Fund Recipients on Behalf of Reporting Carrier	
I, as agent for the reporting carrier, certify that I am authorized to submit the reports for Mobility Fund recipients on behalf of the reporting carrier; I have provided the data reported herein based on data provided by the reporting carrier; and, to the best of my knowledge, the information reported herein is accurate.	
Name of Reporting Carrier: _____	
Name of Authorized Agent Firm: _____	
Signature of Authorized Agent or Employee of Agent: _____	Date: _____
Name of Authorized Agent Employee: _____	
Title or position of Authorized Agent or Employee of Agent: _____	
Telephone number of Authorized Agent or Employee of Agent: _____	
Study Area Code of Reporting Carrier: _____	Filing Due Date for this form: _____
Persons willfully making false statements on this form can be punished by fine or forfeiture under the Communications Act of 1934, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001.	



## Attachments

# PUBLIC REFERENCE COPY

## (060) Coverage and Performance Report

FCC Form 690  
Approved by OMB  
OMB Control No. 3060-1185

<010> Study Area Code 238050  
 <015> Study Area Name United States Cellular Corporation  
 <020> Program Year 2016  
 <030> Contact Name - Person USAC should contact regarding this data Stephanie Cassioppi  
 <035> Contact Telephone Number - Number of person identified in data line <030> 6302013501 ext.  
 <039> Contact Email Address - Email Address of person identified in data line <030> Stephanie.Cassioppi@USCellular.com  
 <140> Coverage and Performance Report Year 01/2015 - 12/2015

<a1>	<a2>	<a3>	<b1>	<b2>	<b3>	<c1>	<c2>	<c3>	<d>
State	County	Census Block	Resident Population per Census Block	Resident Population Newly Reached by Service	Total Resident Population Reached by Service	Road Miles per Census Block	Road Miles per Census Block Newly Reached	Total Road Miles covered per Census Block	Certify that Coverage and Performance data is uploaded (yes/no)
NC	Yancey	371999601011095	0	0	0	0.96	0.9	0.9	Yes
NC	Yancey	371999601011096	0	0	0	0.14	0.14	0.14	Yes
NC	Yancey	371999601012080	0	0	0	0.1	0.1	0.1	Yes
NC	Yancey	371999601011103	0	0	0	0.07	0.07	0.07	Yes
NC	Yancey	371999601011140	0	0	0	0.16	0.16	0.16	Yes
NC	Yancey	371999601012086	0	0	0	0.85	0.85	0.85	Yes
NC	Yancey	371999601011064	0	0	0	0.05	0.05	0.05	Yes
NC	Yancey	371999601011123	0	0	0	0.11	0.11	0.11	Yes
NC	Yancey	371999601011115	0	0	0	5.03	5.03	5.03	Yes
NC	Yancey	371999601011058	0	0	0	1.05	1.05	1.05	Yes
NC	Yancey	371999601011087	0	0	0	0.15	0.0	0.0	Yes
NC	Yancey	371999601012076	0	0	0	0.37	0.37	0.37	Yes
NC	Yancey	371999601011104	0	0	0	0.21	0.21	0.21	Yes
NC	Yancey	371999601012077	0	0	0	0.11	0.11	0.11	Yes
NC	Yancey	371999601012090	0	0	0	0.16	0.16	0.16	Yes
NC	Yancey	371999601011071	0	0	0	0.16	0.16	0.16	Yes
NC	Yancey	371999601011082	0	0	0	0.89	0.89	0.89	Yes
NC	Yancey	371999601011043	0	0	0	0.08	0.08	0.08	Yes
NC	Yancey	371999601011124	0	0	0	0.13	0.13	0.13	Yes
NC	Yancey	371999601012101	0	0	0	0.16	0.16	0.16	Yes

Percentage of  
Total Population  
Reached by  
Service

0

Percentage of Total  
Road Miles covered  
by Service

89

# PUBLIC REFERENCE COPY

## (060) Coverage and Performance Report

FCC Form 690  
Approved by OMB  
OMB Control No. 3060-1185

<010> Study Area Code 238050  
<015> Study Area Name United States Cellular Corporation  
<020> Program Year 2016  
<030> Contact Name - Person USAC should contact regarding this data Stephanie Cassioppi  
<035> Contact Telephone Number - Number of person identified in data line <030> 6302013501 ext.  
<039> Contact Email Address - Email Address of person identified in data line <030> Stephanie.Cassioppi@USCellular.com  
<140> Coverage and Performance Report Year 01/2015 - 12/2015

<a1>	<a2>	<a3>	<b1>	<b2>	<b3>	<c1>	<c2>	<c3>	<d>
State	County	Census Block	Resident Population per Census Block	Resident Population Newly Reached by Service	Total Resident Population Reached by Service	Road Miles per Census Block	Road Miles per Census Block Newly Reached	Total Road Miles covered per Census Block	Certify that Coverage and Performance data is uploaded (yes/no)
NC	Yancey	371999601011056	0	0	0	0.08	0.08	0.08	Yes
NC	Yancey	371999601011127	0	0	0	0.22	0.22	0.22	Yes
NC	Yancey	371999601012091	0	0	0	1.74	1.74	1.74	Yes
NC	Yancey	371999601011067	0	0	0	0.2	0.03	0.03	Yes
NC	Yancey	371999601011042	0	0	0	0.41	0.41	0.41	Yes
NC	Yancey	371999601011057	0	0	0	0.22	0.22	0.22	Yes
NC	Yancey	371999601011035	0	0	0	0.04	0.04	0.04	Yes
NC	Yancey	371999601011055	0	0	0	0.12	0.12	0.12	Yes
NC	Yancey	371999601011085	0	0	0	0.12	0.12	0.12	Yes
NC	Yancey	371999601011033	0	0	0	0.46	0.06	0.06	Yes
NC	Yancey	371999601012079	0	0	0	0.19	0.19	0.19	Yes
NC	Yancey	371999601012085	0	0	0	0.87	0.87	0.87	Yes
NC	Yancey	371999601011116	0	0	0	0.08	0.08	0.08	Yes
NC	Yancey	371999601011122	0	0	0	0.12	0.09	0.09	Yes
NC	Yancey	371999601011047	0	0	0	0.24	0.24	0.24	Yes
NC	Yancey	371999601011138	0	0	0	0.05	0.05	0.05	Yes
NC	Yancey	371999601011069	0	0	0	4.01	4.01	4.01	Yes
NC	Yancey	371999601011060	0	0	0	0.13	0.13	0.13	Yes
NC	Yancey	371999601011101	0	0	0	0.16	0.16	0.16	Yes
NC	Yancey	371999601012088	0	0	0	0.09	0.0	0.0	Yes

Percentage of  
Total Population  
Reached by  
Service

0

Percentage of Total  
Road Miles covered  
by Service

89

# PUBLIC REFERENCE COPY

## (060) Coverage and Performance Report

FCC Form 690  
Approved by OMB  
OMB Control No. 3060-1185

<b>&lt;010&gt; Study Area Code</b>	238050
<b>&lt;015&gt; Study Area Name</b>	United States Cellular Corporation
<b>&lt;020&gt; Program Year</b>	2016
<b>&lt;030&gt; Contact Name - Person USAC should contact regarding this data</b>	Stephanie Cassioppi
<b>&lt;035&gt; Contact Telephone Number - Number of person identified in data line &lt;030&gt;</b>	6302013501 ext.
<b>&lt;039&gt; Contact Email Address - Email Address of person identified in data line &lt;030&gt;</b>	Stephanie.Cassioppi@USCellular.com
<b>&lt;140&gt; Coverage and Performance Report Year</b>	01/2015 - 12/2015

<a1>	<a2>	<a3>	<b1>	<b2>	<b3>	<c1>	<c2>	<c3>	<d>
State	County	Census Block	Resident Population per Census Block	Resident Population Newly Reached by Service	Total Resident Population Reached by Service	Road Miles per Census Block	Road Miles per Census Block Newly Reached	Total Road Miles covered per Census Block	Certify that Coverage and Performance data is uploaded (yes/no)
NC	Yancey	371999601011083	0	0	0	0.06	0.06	0.06	Yes
NC	Yancey	371999601012098	0	0	0	1.98	1.7	1.7	Yes
NC	Yancey	371999601011120	0	0	0	0.8	0.77	0.77	Yes
NC	Yancey	371999601011125	0	0	0	0.18	0.18	0.18	Yes
NC	Yancey	371999601012114	0	0	0	0.24	0.24	0.24	Yes
NC	Yancey	371999601012106	0	0	0	0.31	0.31	0.31	Yes
NC	Yancey	371999601011113	0	0	0	0.12	0.12	0.12	Yes
NC	Yancey	371999601011093	0	0	0	7.56	5.61	5.61	Yes
NC	Yancey	371999601012078	0	0	0	0.41	0.41	0.41	Yes
NC	Yancey	371999601011106	0	0	0	0.18	0.18	0.18	Yes
NC	Yancey	371999601012087	0	0	0	0.09	0.09	0.09	Yes
NC	Yancey	371999601011100	0	0	0	0.16	0.16	0.16	Yes
NC	Yancey	371999601011070	0	0	0	0.25	0.25	0.25	Yes
NC	Yancey	371999601011048	0	0	0	0.39	0.39	0.39	Yes
NC	Yancey	371999601012043	0	0	0	0.06	0.0	0.0	Yes
NC	Yancey	371999601011032	0	0	0	0.74	0.74	0.74	Yes
NC	Yancey	371999601012083	0	0	0	0.14	0.14	0.14	Yes
NC	Yancey	371999601011142	0	0	0	0.39	0.39	0.39	Yes
NC	Yancey	371999601012041	0	0	0	0.25	0.2	0.2	Yes
NC	Yancey	371999601011072	0	0	0	0.29	0.29	0.29	Yes

Percentage of  
Total Population  
Reached by  
Service

0

Percentage of Total  
Road Miles covered  
by Service

89

## (060) Coverage and Performance Report

FCC Form 690  
Approved by OMB  
OMB Control No. 3060-1185

<010> Study Area Code 238050  
 <015> Study Area Name United States Cellular Corporation  
 <020> Program Year 2016  
 <030> Contact Name - Person USAC should contact regarding this data Stephanie Cassioppi  
 <035> Contact Telephone Number - Number of person identified in data line <030> 6302013501 ext.  
 <039> Contact Email Address - Email Address of person identified in data line <030> Stephanie.Cassioppi@USCellular.com  
 <140> Coverage and Performance Report Year 01/2015 - 12/2015

<a1>	<a2>	<a3>	<b1>	<b2>	<b3>	<c1>	<c2>	<c3>	<d>
State	County	Census Block	Resident Population per Census Block	Resident Population Newly Reached by Service	Total Resident Population Reached by Service	Road Miles per Census Block	Road Miles per Census Block Newly Reached	Total Road Miles covered per Census Block	Certify that Coverage and Performance data is uploaded (yes/no)
NC	Yancey	371999601011094	0	0	0	0.15	0.15	0.15	Yes
NC	Yancey	371999601011114	0	0	0	0.45	0.45	0.45	Yes
NC	Yancey	371999601011128	0	0	0	0.21	0.21	0.21	Yes
NC	Yancey	371999601011088	0	0	0	0.17	0.0	0.0	Yes
NC	Yancey	371999601011111	0	0	0	2.86	1.09	1.09	Yes
NC	Yancey	371999601012063	0	0	0	5.45	5.45	5.45	Yes
NC	Yancey	371999601011053	0	0	0	0.13	0.13	0.13	Yes
NC	Yancey	371999601012064	0	0	0	0.05	0.05	0.05	Yes
NC	Yancey	371999601011107	0	0	0	0.52	0.52	0.52	Yes
NC	Yancey	371999601011062	0	0	0	0.42	0.42	0.42	Yes
NC	Yancey	371999601011046	0	0	0	0.13	0.13	0.13	Yes
NC	Yancey	371999601011092	0	0	0	0.17	0.0	0.0	Yes
NC	Yancey	371999601012092	0	0	0	0.24	0.24	0.24	Yes
NC	Yancey	371999601012075	0	0	0	0.29	0.29	0.29	Yes
NC	Yancey	371999601012089	0	0	0	0.25	0.25	0.25	Yes
NC	Yancey	371999601012045	0	0	0	0.13	0.13	0.13	Yes
NC	Yancey	371999601011038	0	0	0	0.18	0.18	0.18	Yes
NC	Yancey	371999601011030	0	0	0	0.42	0.42	0.42	Yes
NC	Yancey	371999601011139	0	0	0	0.18	0.18	0.18	Yes
NC	Yancey	371999601011110	0	0	0	4.33	1.71	1.71	Yes

Percentage of  
Total Population  
Reached by  
Service

0

Percentage of Total  
Road Miles covered  
by Service

89

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NC	Yancey	371999601011066	0	0	0	0.13	0.13	0.13	Yes
NC	Yancey	371999601012073	0	0	0	1.03	1.03	1.03	Yes
NC	Yancey	371999601012094	0	0	0	0.44	0.44	0.44	Yes
NC	Yancey	371999601011089	0	0	0	0.67	0.51	0.51	Yes
NC	Yancey	371999601011117	0	0	0	0.2	0.2	0.2	Yes
NC	Yancey	371999601012084	0	0	0	0.11	0.0	0.0	Yes
NC	Yancey	371999601012099	0	0	0	0.08	0.0	0.0	Yes
NC	Yancey	371999601012040	0	0	0	1.35	1.35	1.35	Yes
NC	Yancey	371999601011121	0	0	0	0.11	0.11	0.11	Yes
NC	Yancey	371999601011090	0	0	0	0.13	0.13	0.13	Yes
NC	Yancey	371999601011112	0	0	0	2.06	2.06	2.06	Yes
NC	Yancey	371999601011050	0	0	0	0.34	0.34	0.34	Yes
NC	Yancey	371999601011133	0	0	0	0.07	0.04	0.04	Yes
NC	Yancey	371999601011141	0	0	0	0.09	0.09	0.09	Yes
NC	Yancey	371999601011049	0	0	0	2.1	2.1	2.1	Yes
NC	Yancey	371999601011131	0	0	0	0.6	0.4	0.4	Yes
NC	Yancey	371999601011129	0	0	0	0.51	0.51	0.51	Yes
NC	Yancey	371999601011041	0	0	0	0.43	0.43	0.43	Yes
NC	Yancey	371999601011108	0	0	0	0.2	0.2	0.2	Yes
NC	Yancey	371999601012108	0	0	0	0.3	0.3	0.3	Yes

Percentage of  
Total Population  
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0

Percentage of Total  
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<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com
<140>	Coverage and Performance Report Year	01/2015 - 12/2015

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NC	Yancey	371999601011105	0	0	0	0.12	0.12	0.12	Yes
NC	Yancey	371999601011063	0	0	0	0.25	0.25	0.25	Yes
NC	Yancey	371999601012059	0	0	0	0.14	0.14	0.14	Yes
NC	Yancey	371999601012109	0	0	0	0.09	0.09	0.09	Yes
NC	Yancey	371999601012081	0	0	0	0.14	0.14	0.14	Yes
NC	Yancey	371999601011034	0	0	0	0.14	0.14	0.14	Yes
NC	Yancey	371999601011078	0	0	0	0.59	0.59	0.59	Yes
NC	Yancey	371999601012042	0	0	0	0.19	0.06	0.06	Yes
NC	Yancey	371999601011080	0	0	0	1.14	1.14	1.14	Yes
NC	Yancey	371999601011102	0	0	0	0.33	0.33	0.33	Yes
NC	Yancey	371999601011077	0	0	0	0.32	0.32	0.32	Yes
NC	Yancey	371999601012044	0	0	0	1.68	1.68	1.68	Yes
NC	Yancey	371999601012104	0	0	0	0.05	0.05	0.05	Yes
NC	Yancey	371999601012037	0	0	0	0.15	0.15	0.15	Yes
NC	Yancey	371999601011031	0	0	0	0.19	0.19	0.19	Yes
NC	Yancey	371999601012111	0	0	0	0.37	0.03	0.03	Yes
NC	Yancey	371999601011119	0	0	0	0.14	0.14	0.14	Yes
NC	Yancey	371999601011076	0	0	0	0.06	0.06	0.06	Yes
NC	Yancey	371999601012103	0	0	0	0.07	0.07	0.07	Yes
NC	Yancey	371999601012102	0	0	0	0.11	0.04	0.04	Yes

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NC	Yancey	371999601012039	0	0	0	0.2	0.2	0.2	Yes
NC	Yancey	371999601012074	0	0	0	0.17	0.17	0.17	Yes
NC	Yancey	371999601011039	0	0	0	0.61	0.61	0.61	Yes
NC	Yancey	371999601011061	0	0	0	0.45	0.45	0.45	Yes
NC	Yancey	371999601011118	0	0	0	0.1	0.1	0.1	Yes
NC	Yancey	371999601011054	0	0	0	0.32	0.32	0.32	Yes
NC	Yancey	371999601011079	0	0	0	0.13	0.13	0.13	Yes
NC	Yancey	371999601011099	0	0	0	0.14	0.14	0.14	Yes
NC	Yancey	371999601012115	0	0	0	0.28	0.28	0.28	Yes
NC	Yancey	371999601011073	0	0	0	0.08	0.08	0.08	Yes
NC	Yancey	371999601011036	0	0	0	1.15	1.15	1.15	Yes
NC	Yancey	371999601012047	0	0	0	0.27	0.27	0.27	Yes
NC	Yancey	371999601012072	0	0	0	22.02	20.17	20.17	Yes
NC	Yancey	371999601011051	0	0	0	0.1	0.1	0.1	Yes
NC	Yancey	371999601011126	0	0	0	0.08	0.08	0.08	Yes
NC	Yancey	371999601011037	0	0	0	0.22	0.22	0.22	Yes
NC	Yancey	371999601012093	0	0	0	0.5	0.5	0.5	Yes

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**FCC Form 690**

**Mobility Fund Phase 1 - §54.1009 Annual Reporting**

**Line 041: Description of documents filed with Form 481 SAC 239006**

The documents filed with FCC Form 481 for SAC 239006 include:

- 239006NC310 Unfulfilled Service Requests (voice) Detail on Attempts
- 239006NC510 Service Quality Standards & Consumer Protection Rules Compliance
- 239006NC610 Functionality in Emergency Situations

**FCC Form 690 Line 211: PROJECT STATUS DESCRIPTION**

**Project Description and Statement of Technical Feasibility**

**Winning Bid Census Tract No. T37199960101 (Yancey, NC)**

**SAC 238050**

**Total Bid Amount: \$1,104,403.06**

**I. Project Summary**

United States Cellular Corporation (“U.S. Cellular”) currently provides wireless services in North Carolina. U.S. Cellular operates a 3G/4G wireless voice and data network incorporating state-of-the-art technologies including CDMA [REDACTED] and 4G LTE (Long Term Evolution). For this particular winning bid census tract, U.S. Cellular constructed [REDACTED] new LTE cell sites in order to provide coverage to the unserved qualifying roads in the eligible census blocks within the winning bid census tract.

U.S. Cellular uses [REDACTED] 4G LTE technology to provide the required service. LTE incorporates Multiple In Multiple Out (MIMO) technology, the Orthogonal Frequency Division Multiple Access (OFDMA) air interface in the downlink and Single Carrier FDMA in the uplink. This combination provides high levels of spectral efficiency and network performance, coupled with high network capacity and low latency [REDACTED] [REDACTED] 4G LTE.

Installation of new cell sites will enable U.S. Cellular to meet its public interest obligations to provide rural citizens with access to advanced telecommunications and information technologies that are reasonably comparable to those available in urban areas. U.S. Cellular has identified areas that lack high-quality coverage, that is, dead zones where citizens

have inconsistent access to wireless network signals or where coverage is insufficient to allow mobile usage without dropped calls.

Use of support from Auction 901 will permit U.S. Cellular improve and expand coverage, and to cover operating and maintenance expenses expected in remote areas that are not expected to be cash flow positive for many years, if ever. In many areas where U.S. Cellular currently serves, consumers have access to data speeds that are insufficient to stream high quality video and transmit large files without significant delay. Installation of 4G service will significantly increase data speeds, well in excess of the 4/1 throughput requirement.

This will serve the public interest by allowing consumers to make more efficient use of high speed products and services, including smart phone devices, providing access to a wide variety of software applications. In every area where coverage is improved, rural citizens will see significant public safety benefits, as access to 911, E-911 and other important communications are all facilitated by improved connectivity in a mobile environment.

## II. Project Timeline

<b>MILESTONES</b>	<b>START</b>	<b>END</b>
1. Network Design		
2. Drafting, Posting of RFPs if applicable		
3. Vendor Selection		
4. Contract Negotiation if applicable		
5. Construction		
6. Meeting requirements for \$\$ Installments		
a. 1st disbursement - upon award, no other requirements		6/15/2013
b. 2nd disbursement -		
i. report demonstrating 50% road miles covered		n/a
ii. 2nd LOC or increase to initial LOC to cover disbursement amount		n/a
c. 3rd/final disbursement -		
i. report demonstrating 75% road miles covered (3yrs for 4G)		

U.S. Cellular has completed a preliminary network design, which has informed its bidding strategy. U.S. Cellular has also completed its network design and budget, based on the then-current status of its network and then-current costs associated with purchasing the necessary equipment. U.S. Cellular employs radio-frequency engineers, as well as consulting engineers, to develop a final network design plan.

U.S. Cellular has completed its construction project, and has installed equipment needed to upgrade its backhaul and network core facilities, so that all new network equipment that is installed is capable of providing service immediately.

Construction, installation and testing is complete and the actual date of network deployment was [REDACTED]. The information provided in this 690 filing for final disbursement proves that U.S. Cellular® has achieved 75% or greater coverage, [REDACTED] coverage. The final disbursement should be [REDACTED], which, with the first disbursement of [REDACTED] equals [REDACTED] of the total bid amount of \$1,104,403.06.

### **III. Statement of Technical Feasibility**

These network deployments and improvements are all technically feasible because they represent an extension of U.S. Cellular's existing network, which has been providing service for a number of years. The projected cost of U.S. Cellular's project plan and necessary operating and maintenance expenses exceed the amount of Auction 901 support that it will receive, and the company invested the additional capital needed to complete the project. It has undertaken a financial analysis of the technical feasibility of meeting the FCC's coverage requirements and based on that analysis, it has determined that the combination of support and internally generated capital will be sufficient.

U.S. Cellular understands that the FCC's Auction 901 funding commitment is limited to the winning bid amount, and that U.S. Cellular will be responsible for providing additional internally generated capital, if needed, to meet the Commission's coverage and service requirements.

U.S. Cellular has successfully rolled out 4G LTE service in much of its existing network. U.S. Cellular has familiarity with the challenges of deploying 4G technology as well as established relationships with equipment and handset vendors. U.S. Cellular understands the challenges of deploying a high-speed data network in a rural area and is fully confident that the technology it has chosen is technically feasible and that it has the necessary expertise to deploy a technically capable network solution that meets the FCC's coverage and throughput requirements.

U.S. Cellular has purchased peripheral technologies such as battery back-ups and diesel generators to ensure that its new network equipment is sufficiently hardened to withstand natural and man-made disasters.

#### IV. Budget and Actual Spending Breakdown

Census Tract	County/State	Bid	Project Budget Total
T37199960101	Yancey, NC	\$1,104,403.06	

The following list specifically relates the budget to the costs for the activities in the project plan. Nonetheless, the project plan associated with this Census Tract is being undertaken jointly with the project plan associated with Winning Bid Census Tract No. T37021002900 (Buncombe, NC). Hence, the collective projects costs have been divided equally amongst both Census Tracts.

USAC Category	Project Budget Detail	Budget - Cost to Complete	Final estimate
Network Design	Network Design	In House	In House
Construction			
Deployment			
Maintenance			
	Total		

The projected build plan set forth above, including costs and timeframes, are good-faith estimates based on current information and subject to change, depending on a variety of factors such as but not limited to terrain, zoning or other restriction on land usage, weather, and equipment availability from the selected vendors.